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\* \* \* \* \* \* \* \* \*      Welcome to STN International      \* \* \* \* \* \* \* \* \*

NEWS 1                Web Page for STN Seminar Schedule - N. America  
NEWS 2 JAN 02        STN pricing information for 2008 now available  
NEWS 3 JAN 16        CAS patent coverage enhanced to include exemplified prophetic substances  
NEWS 4 JAN 28        USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats  
NEWS 5 JAN 28        MARPAT searching enhanced  
NEWS 6 JAN 28        USGENE now provides USPTO sequence data within 3 days of publication  
NEWS 7 JAN 28        TOXCENTER enhanced with reloaded MEDLINE segment  
NEWS 8 JAN 28        MEDLINE and LMEDLINE reloaded with enhancements  
NEWS 9 FEB 08        STN Express, Version 8.3, now available  
NEWS 10 FEB 20       PCI now available as a replacement to DPCI  
NEWS 11 FEB 25       IFIREF reloaded with enhancements  
NEWS 12 FEB 25       IMSPRODUCT reloaded with enhancements  
NEWS 13 FEB 29       WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification  
NEWS 14 MAR 31       IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats  
NEWS 15 MAR 31       CAS REGISTRY enhanced with additional experimental spectra  
NEWS 16 MAR 31       CA/CAplus and CASREACT patent number format for U.S. applications updated  
NEWS 17 MAR 31       LPCI now available as a replacement to LDPCI  
NEWS 18 MAR 31       EMBASE, EMBAL, and LEMBASE reloaded with enhancements  
NEWS 19 APR 04       STN AnaVist, Version 1, to be discontinued  
NEWS 20 APR 15       WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats  
NEWS 21 APR 28       EMBASE Controlled Term thesaurus enhanced  
NEWS 22 APR 28       IMSRESEARCH reloaded with enhancements  
NEWS 23 MAY 30       INPAFAMDB now available on STN for patent family searching  
NEWS 24 MAY 30       DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option  
NEWS 25 JUN 06       EPFULL enhanced with 260,000 English abstracts  
NEWS 26 JUN 06       KOREAPAT updated with 41,000 documents  
NEWS 27 JUN 13       USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications  
NEWS 28 JUN 19       CAS REGISTRY includes selected substances from web-based collections  
NEWS 29 JUN 25       CA/CAplus and USPAT databases updated with IPC reclassification data  
NEWS 30 JUN 30       AEROSPACE enhanced with more than 1 million U.S. patent records  
NEWS 31 JUN 30       EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated

NEWS 32 JUN 30 organizations  
STN on the Web enhanced with new STN AnaVist  
Assistant and BLAST plug-in  
NEWS 33 JUN 30 STN AnaVist enhanced with database content from EPFULL

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
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NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 17:46:01 ON 01 JUL 2008

FILE 'REGISTRY' ENTERED AT 17:46:13 ON 01 JUL 2008  
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STRUCTURE FILE UPDATES: 30 JUN 2008 HIGHEST RN 1031926-83-6  
DICTIONARY FILE UPDATES: 30 JUN 2008 HIGHEST RN 1031926-83-6

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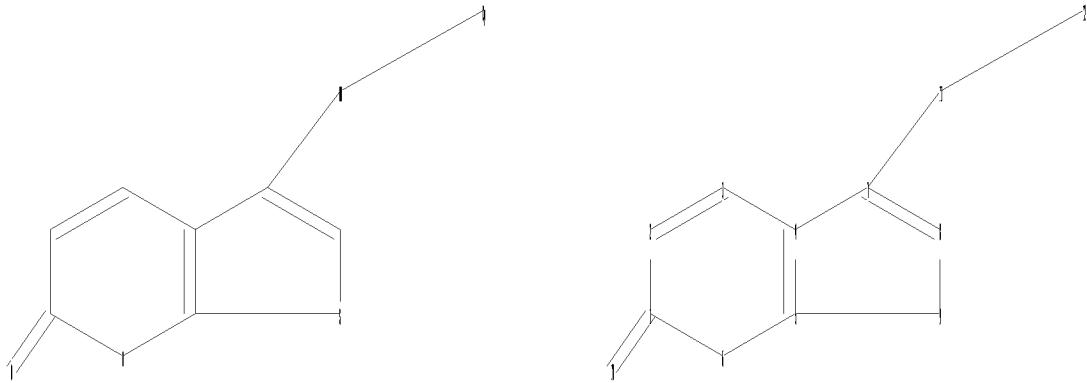
TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stnqen/stndoc/properties.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\10561052.str



chain nodes :

10 11 12

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

1-10 7-11 11-12

ring bonds :

1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9

exact/norm bonds :

1-2 1-6 1-10 2-3 3-4 4-5 5-6 7-11 11-12

exact bonds :

4-7 5-9 7-8 8-9

isolated ring systems :

containing 1 :

Match level :

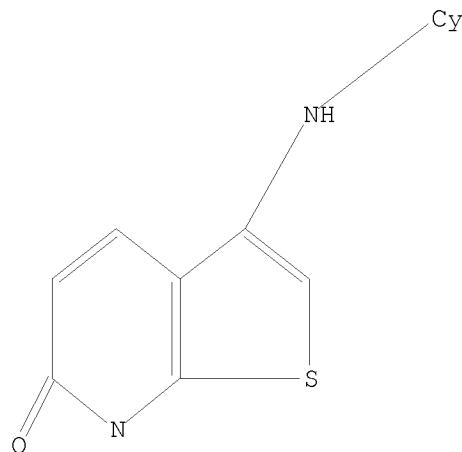
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
11:CLASS 12:Atom

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11 full

FULL SEARCH INITIATED 17:46:28 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 3186 TO ITERATE

100.0% PROCESSED 3186 ITERATIONS  
SEARCH TIME: 00.00.01

390 ANSWERS

L2 390 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
178.36	178.57

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 17:46:38 ON 01 JUL 2008  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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FILE COVERS 1907 - 1 Jul 2008 VOL 149 ISS 1  
FILE LAST UPDATED: 30 Jun 2008 (20080630/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s 12 full

L3 7 L2

=> d ibib abs hitstr tot

L3 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:673573 CAPLUS  
 TITLE: Aminothienopyridinone derivatives as p38 MAP kinase  
 inhibitors and their preparation, pharmaceutical  
 compositions and use in the treatment of diseases  
 INVENTOR(S): Davis, Jeremy Martin; Brookings, Daniel Christopher;  
 Langham, Barry John; Hutchings, Martin Clive  
 PATENT ASSIGNEE(S): UCB Pharma, S.A., Belg.  
 SOURCE: PCT Int. Appl., 37pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008064829	A2	20080605	WO 2007-EP10189	20071123
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			GB 2006-23955	A 20061130
			EP 2007-1807	A 20070127

GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The invention relates to 3-aminothienopyridinone derivs. of formula I, to  
 processes for preparing them, to pharmaceutical compns. containing them and to  
 their use as pharmaceuticals. Compds. of formula I wherein R1 and R2 are  
 independently C1-3 alkyl, halo and OH; m and n are independently 1-3; R3R4  
 taken together to form (un)substituted 4- to 6-membered non-aromatic  
 heterocycle; and their pharmaceutically acceptable salts, stereoisomers,  
 geometrical isomers, enantiomers and diastereoisomers thereof, are  
 claimed. Example compound II was prepared by N-arylation of  
 3-bromo-7-(2,6-difluorophenyl)-2-((2R)-2-[(tetrahydro-2H-pyran-2-  
 yloxy)methyl]pyrrolidin-1-yl)carbonyl)thieno[2,3-b]pyridin-6(7H)-one with  
 2-amino-6-picoline. All the invention compds. were evaluated for their  
 p38 MAP kinase inhibitory activity. From the assay, it was determined that II  
 exhibited the IC50 values of 15 - 30 nm against p38 $\alpha$  MAP kinase  
 inhibitor.

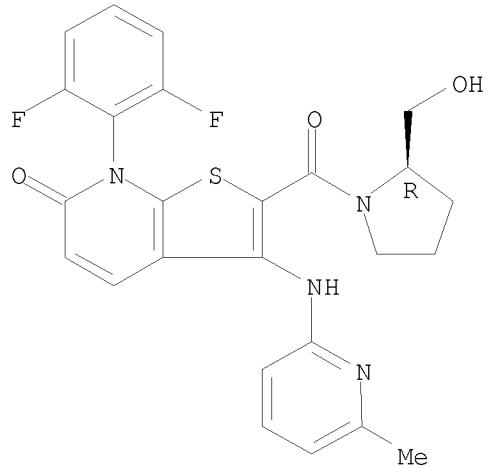
IT 1030833-61-4P 1030833-63-6P 1030833-64-7P  
 1030833-66-9P 1030833-68-1P 1030833-70-5P  
 1030833-72-7P 1030833-74-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)  
 (drug candidate; preparation of aminothienopyridinone derivs. as p38 MAP  
 kinase inhibitors useful in the treatment of diseases)

RN 1030833-61-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]-(CA INDEX NAME)

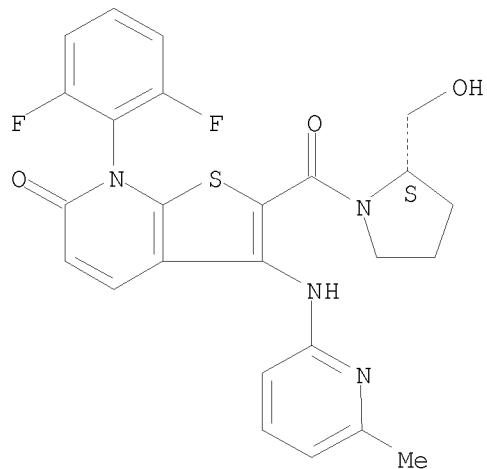
Absolute stereochemistry.



RN 1030833-63-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]-(CA INDEX NAME)

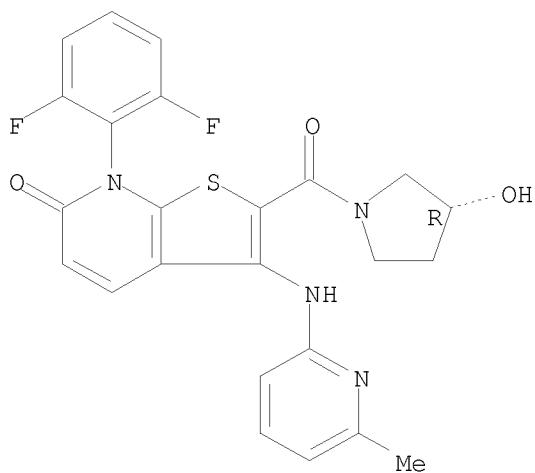
Absolute stereochemistry.



RN 1030833-64-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]-(CA INDEX NAME)

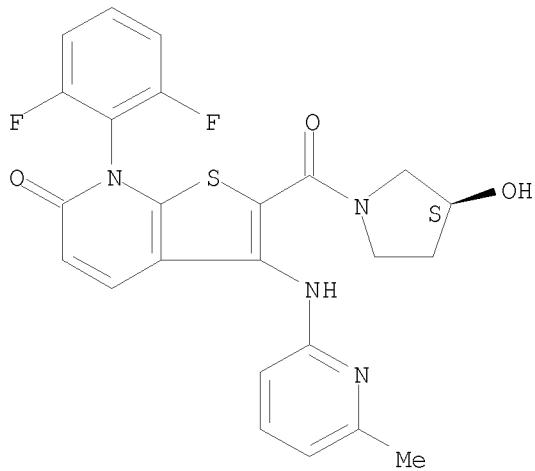
Absolute stereochemistry.



RN 1030833-66-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]- (CA INDEX NAME)

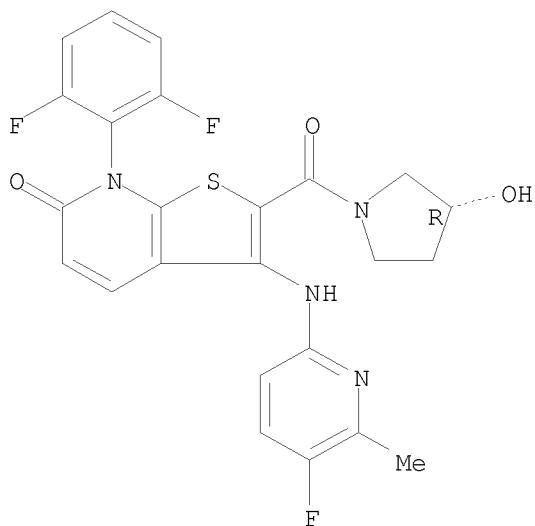
Absolute stereochemistry.



RN 1030833-68-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

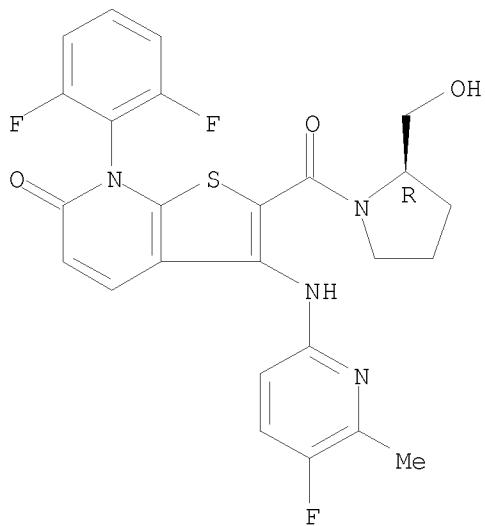
Absolute stereochemistry.



RN 1030833-70-5 CAPLUS

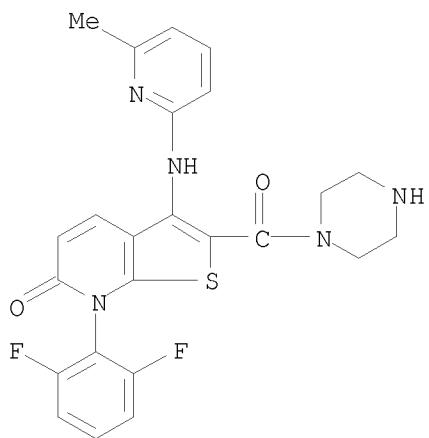
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 1030833-72-7 CAPLUS

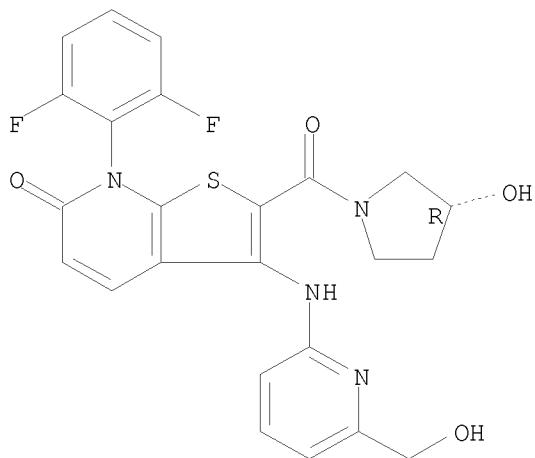
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(6-methyl-2-pyridinyl)amino]-2-(1-piperazinylcarbonyl)- (CA INDEX NAME)



RN 1030833-74-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(6-hydroxymethyl)-2-pyridinyl]amino]-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



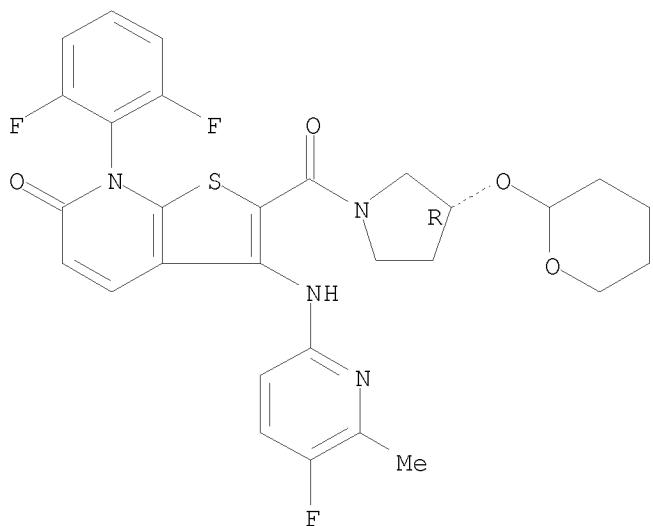
IT 1030833-96-5P 1030834-00-4P 1030834-01-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (intermediate; preparation of aminothienopyridinone derivs. as p38 MAP kinase inhibitors useful in the treatment of diseases)

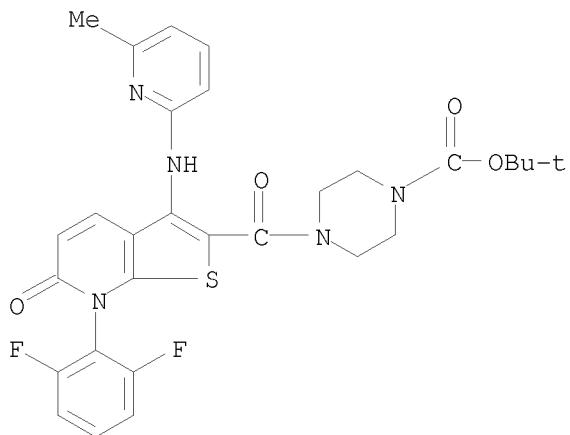
RN 1030833-96-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

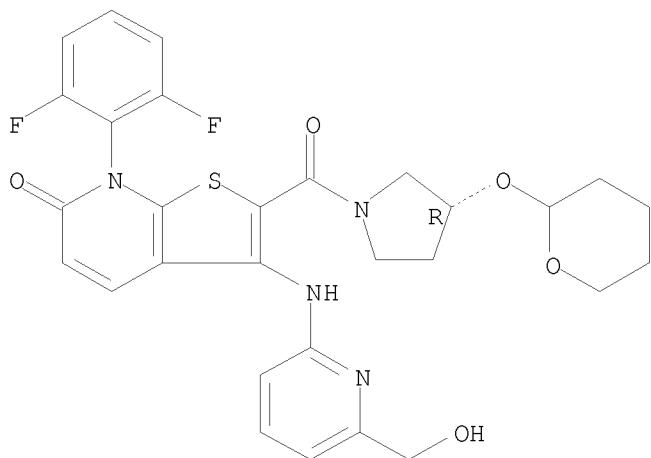


RN 1030834-00-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1030834-01-5 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(6-hydroxymethyl)-2-pyridinyl]amino]-2-[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



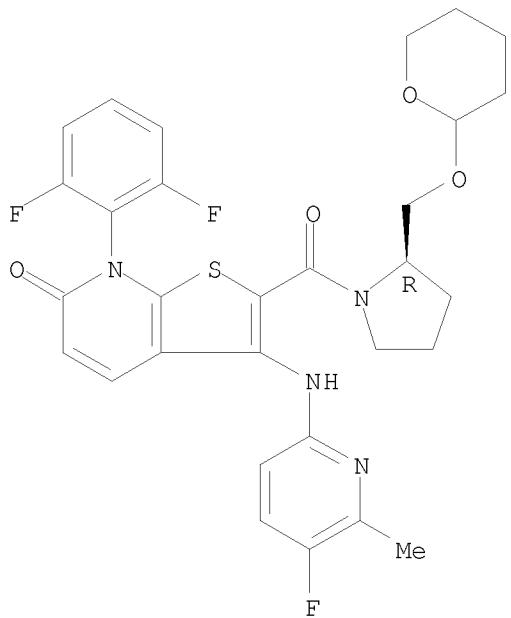
IT 1030833-99-8P

RL: PRPH (Prophetic); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (prophetic intermediate; preparation of aminothienopyridinone derivs. as p38  
 MAP kinase inhibitors useful in the treatment of diseases)

RN 1030833-99-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl carbonyl - (CA INDEX NAME)

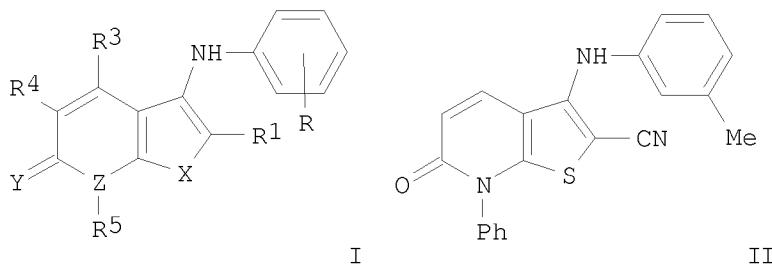
Absolute stereochemistry.



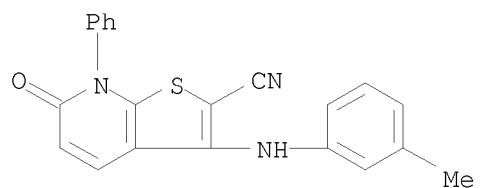
L3 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2006:516759 CAPLUS  
DOCUMENT NUMBER: 145:27872  
TITLE: A process for the formation of C-N bonds via the  
Buchwald-Hartwig amination  
INVENTOR(S): Schlummer, Bjoern; Scholz, Ulrich  
PATENT ASSIGNEE(S): Lanxess Deutschland G.m.b.H., Germany  
SOURCE: Ger. Offen., 8 pp.  
CODEN: GWXXBX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004056820	A1	20060601	DE 2004-102004056820	20041124
AU 2005308941	A1	20060601	AU 2005-308941	20051123
CA 2586440	A1	20060601	CA 2005-2586440	20051123
EP 1817313	A1	20070815	EP 2005-808296	20051123
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
KR 2007086565	A	20070827	KR 2007-714254	20070622
PRIORITY APPLN. INFO.:			DE 2004-102004056820A	20041124
			DE 2004-102004056821A	20041124
			WO 2005-EP12509	W 20051123

OTHER SOURCE(S): MARPAT 145:27872  
GI



AB A process for the preparation of title compds. I [R = (R')n; X = O, S, NH, etc.; Y = O, S; Z = N, CH; R1, R3, R4 = H, alkyl, alkoxy, etc.; R5 = H, alkyl, aryl, etc.; R' = H, alkyl, alkoxy, etc.; n = 0-5] via pd-catalyzed coupling was disclosed. The synthesis of compound II was claimed (no exptl. provided). Of note is the use of a mixed solvent system for the coupling.  
 IT 639480-55-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
     (formation of C-N bonds via the Buchwald-Hartwig amination)  
 RN 639480-55-0 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile, 6,7-dihydro-3-[ (3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



L3 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:516682 CAPLUS

DOCUMENT NUMBER: 145:27972

TITLE: Process for palladium catalyzed C-N coupling

INVENTOR(S): Schlummer, Bjoern; Scholz, Ulrich; Smith, Ian

PATENT ASSIGNEE(S): Ucb, S.A., Belg.

SOURCE: PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

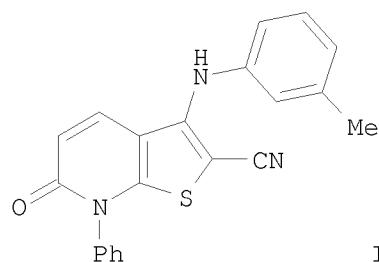
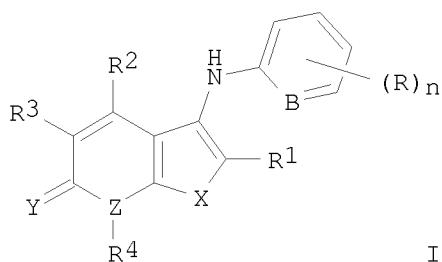
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

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KR 2007086565	A	20070827	KR 2007-714254	20070622
PRIORITY APPLN. INFO.:			DE 2004-102004056821A	20041124
			DE 2004-102004056820A	20041124
			WO 2005-EP12509	W 20051123

OTHER SOURCE(S): CASREACT 145:27972; MARPAT 145:27972

GI



AB The invention relates to a process for the preparation of thieno[2,3-b]pyridine derivs. I [wherein X = O, S, NH, or CH<sub>2</sub>; Y = O or S; Z and B = independently N or CH; R<sub>1</sub>-R<sub>3</sub> = independently H, (pseudo)halo, OH, NO<sub>2</sub>,

(un)substituted alkyl, alkoxy, aryl, etc.; R4 = H, (un)substituted alkyl, aryl, or arylalkyl; R = independently H, (pseudo)halo, OH, NO2, (un)substituted alkyl, alkoxy, aryl, etc.; n = 0-5] comprising coupling of an aryl halide or an aryloxysulfonyl compound with an amine in the presence of palladium catalyst. For example, 3-amino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-nitrile was reacted with 3-bromotoluene in the presence of tris(dibenzylideneacetone)palladium, a phosphorus ligand, and potassium phosphate to give II (87%). The process is useful for the formation of C-N bonds.

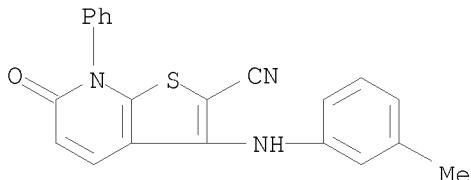
IT 639480-55-0P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(palladium catalyzed C-N coupling)

RN 639480-55-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



REFERENCE COUNT:

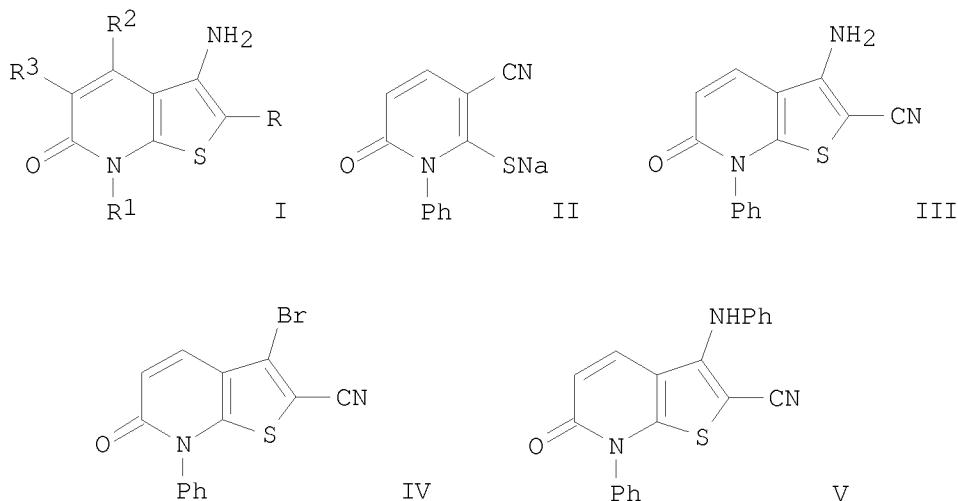
11

THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2004:1154722 CAPLUS  
 DOCUMENT NUMBER: 142:93797  
 TITLE: Process for preparing 3-aminothienopyridone derivatives and their applications to the synthesis of p38 MAP kinase inhibitors  
 INVENTOR(S): Evans, Graham Robert; Smith, Ian Harold; Tremayne, Neil; Jones, Leighton; Langston, Marianne  
 PATENT ASSIGNEE(S): Celltech R & D Limited, UK  
 SOURCE: PCT Int. Appl., 56 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113349	A1	20041229	WO 2004-GB2680	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004249507	A1	20041229	AU 2004-249507	20040618
CA 2528927	A1	20041229	CA 2004-2528927	20040618
EP 1638980	A1	20060329	EP 2004-743031	20040618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
JP 2007516163	T	20070621	JP 2006-516465	20040618
US 20070191608	A1	20070816	US 2006-561051	20060608
PRIORITY APPLN. INFO.:			GB 2003-14493	A 20030620
			GB 2003-29471	A 20031219
			WO 2004-GB2680	W 20040618

OTHER SOURCE(S): MARPAT 142:93797  
 GI

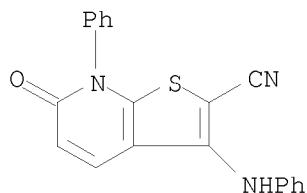


**AB** This invention provides a class of 3-amino-7H-thieno[2,3-b]pyridin-6-one derivs. I [wherein R = cyano, NO<sub>2</sub>, CO<sub>2</sub>Alk<sub>2</sub>, C(O)alkyl, CONHHet<sub>2</sub>; Alk<sub>2</sub> = (un)substituted alkyl or aryl; Het<sub>2</sub> = (un)substituted 4/5/6-membered heterocycloalkyl; R<sub>1</sub> = (un)substituted (hetero)aryl or (hetero)cycloalkyl; R<sub>2</sub>, R<sub>3</sub> = H or a hydrogen atom precursor, or salts, solvates, hydrates, protected derivs. and N-oxides thereof], a process for their prepns., and the use thereof as intermediates in the manufacture of certain p38 MAP kinase inhibitors. For example, 2-cyano-N-phenylthioacetamide was treated with N,N-dimethyluracil to give crude thiolate II containing about 20% ethanol, which was directly refluxed with chloroacetonitrile in acetonitrile for 2 h to afford amine III. This compound underwent diazotization and subsequent halide displacement with tert-butylnitrite and CuBr<sub>2</sub>, leading to bromide IV. Pd-catalyzed N-alkylation of III with bromobenzene or amination of IV with aniline yielded V. Conversion of this product to the corresponding carboxamide was realized by the hydrolysis of the cyano group in the presence of NaOH-H<sub>2</sub>O-Ethanol system.

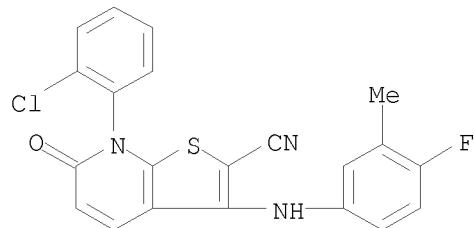
**IT** 639479-32-6P, 6-Oxo-7-phenyl-3-phenylamino-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 639479-36-0P, 7-(2-Chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 639479-45-1P, 7-Cyclopropyl-3-[(3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 639480-55-0P, 6-Oxo-7-phenyl-3-(m-tolylamino)-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile 817177-54-1P  
**RL:** IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (process for preparing 3-aminothienopyridone derivs. and their applications to the synthesis of p38 MAP kinase inhibitors)

**RN** 639479-32-6 CAPLUS

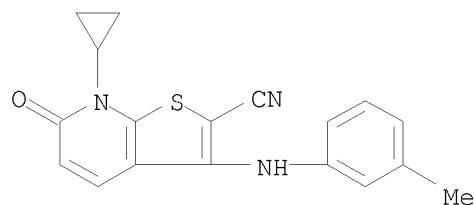
**CN** Thieno[2,3-b]pyridine-2-carbonitrile, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



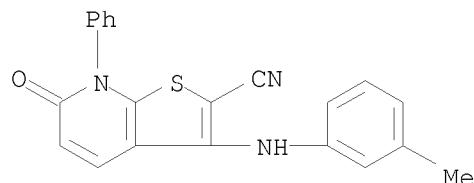
RN 639479-36-0 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 639479-45-1 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile, 7-cyclopropyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)

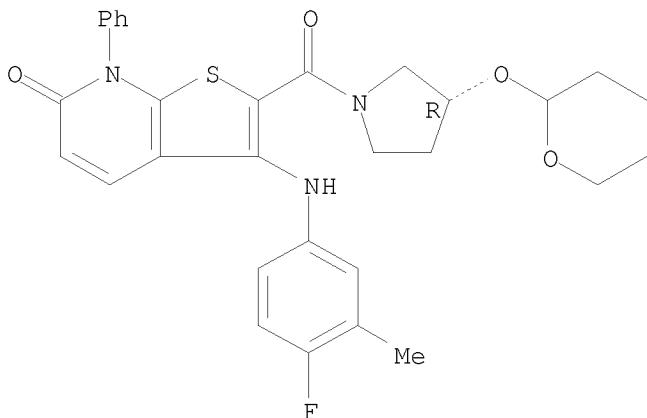


RN 639480-55-0 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile, 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



RN 817177-54-1 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl-2-[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

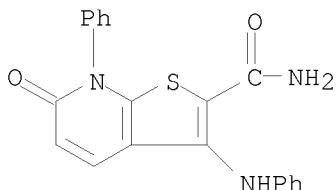
Absolute stereochemistry.



IT 639479-29-1P, 6-Oxo-7-phenylamino-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 639479-37-1P, 7-(2-Chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 639479-46-2P, 7-Cyclopropyl-3-[(3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 639480-85-6P, 6-Oxo-7-phenyl-3-(m-tolylamino)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 639481-18-8P, 7-Phenyl-3-phenylamino-2-[(pyrrolidin-1-yl)carbonyl]-7H-thieno[2,3-b]pyridin-6-one 639481-20-2P, 2-([4-Ethylpiperazin-1-yl]carbonyl)-7-phenyl-3-phenylamino-7H-thieno[2,3-b]pyridin-6-one 816424-17-6P, (S)-3-(4-Fluoro-3-methylphenylamino)-2-[(2-hydroxymethylpyrrolidin-1-yl)carbonyl]-7-phenyl-7H-thieno[2,3-b]pyridin-6-one 816424-21-2P, (R)-3-(4-Fluoro-3-methylphenylamino)-2-[(3-hydroxypyrrolidin-1-yl)carbonyl]-7-phenyl-7H-thieno[2,3-b]pyridin-6-one  
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
(process for preparing 3-aminothienopyridone derivs. and their applications to the synthesis of p38 MAP kinase inhibitors)

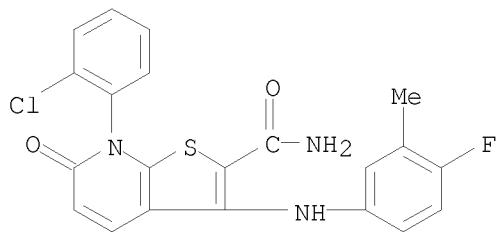
RN 639479-29-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



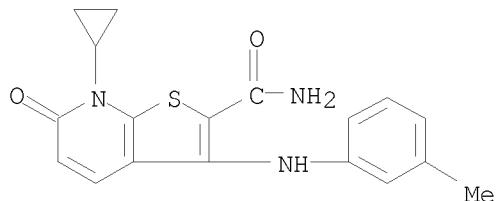
RN 639479-37-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



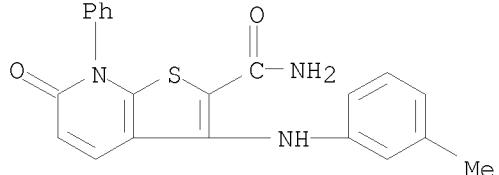
RN 639479-46-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-cyclopropyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



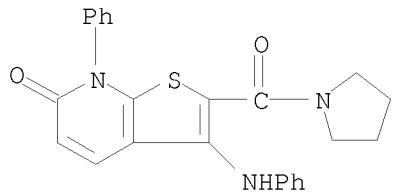
RN 639480-85-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



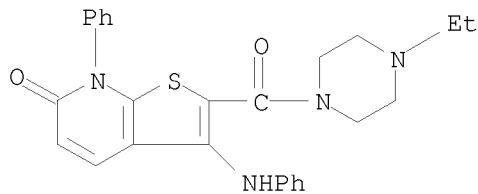
RN 639481-18-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



RN 639481-20-2 CAPLUS

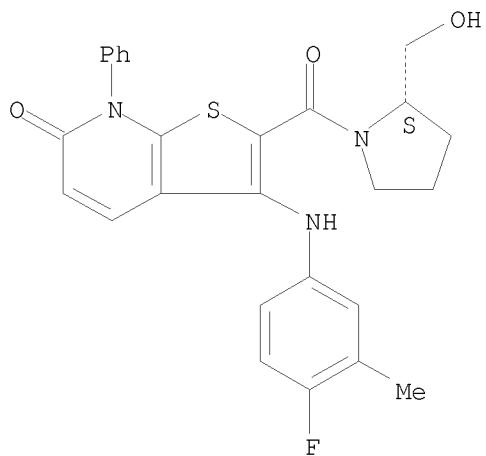
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-ethyl-1-piperazinyl)carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



RN 816424-17-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

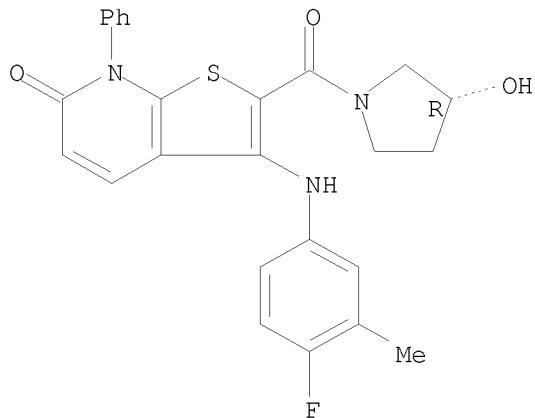
Absolute stereochemistry.



RN 816424-21-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2004:1154721 CAPLUS  
 DOCUMENT NUMBER: 142:93796  
 TITLE: Preparation of thienopyridone derivatives as p38 MAPK inhibitors  
 INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin;  
 Langham, Barry John  
 PATENT ASSIGNEE(S): Celltech R & D Limited, UK  
 SOURCE: PCT Int. Appl., 90 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113348	A1	20041229	WO 2004-GB2644	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004249498	A1	20041229	AU 2004-249498	20040618
CA 2528603	A1	20041229	CA 2004-2528603	20040618
EP 1638979	A1	20060329	EP 2004-742997	20040618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
JP 2007516162	T	20070621	JP 2006-516453	20040618
US 20060247269	A1	20061102	US 2006-561050	20060629
PRIORITY APPLN. INFO.:			GB 2003-14490	A 20030620
			GB 2003-29495	A 20031219
			WO 2004-GB2644	W 20040618

OTHER SOURCE(S): MARPAT 142:93796  
 GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

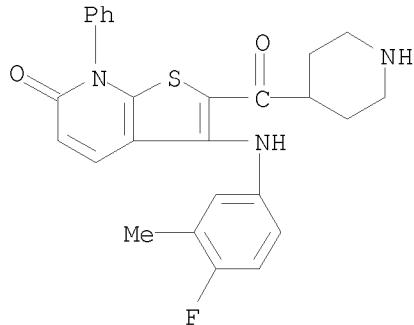
AB Title compds. I [ wherein X = covalent bond, NH or N(alkyl); Y = C(O) or S(O)2; A = (CH2)q; B = (CH2)m; n = 0 or 1; m = 1-3; p = 0-4; q = 0-2; R = (un)substituted OH, alkoxy or amino; L = O, S, S(O), S(O)2 or CH2, CHR or CR2, NH or N(alkyl); ALK1 = alkylene; Cyl = (un)substituted (hetero)cycle or (hetero)aryl; Ar = (un)substituted (hetero)aryl; or salts, solvates, hydrates and N-oxides thereof] were prepared as p38 MAPK inhibitors. For example, II was synthesized in several steps from Et 3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate (preparation given), via amination with 2,4-difluoroaniline, ester hydrolysis, carboxy group activation with pentafluorophenol and coupling with cis-2-aminocyclopentanol hydrochloride. Example compds. had IC50 values of around 1  $\mu$ M and below for human p38 $\alpha$  kinase. Therefore, I and pharmaceutical compns. thereof are useful for the treatment and/or prevention of immune or inflammatory disorders.

IT 816464-58-1P, 3-[(4-Fluoro-3-methylphenyl)amino]-7-phenyl-2-

[(piperidin-4-yl)carbonyl]thieno[2,3-b]pyridin-6(7H)-one  
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(inhibitor; preparation of thienopyridone derivs. as p38 MAPK inhibitors)

RN 816464-58-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)

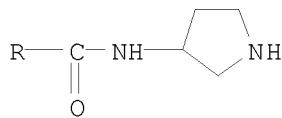
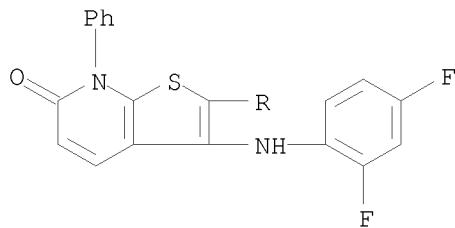


IT 639481-27-9P 816464-52-5P 816464-53-6P  
816464-54-7P, 3-[(2,4-Difluorophenyl)amino]-N-((1S,2S)-2-hydroxycyclopentyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-55-8P, 3-[(2,4-Difluorophenyl)amino]-N-((1R,2R)-2-hydroxycyclopentyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-56-9P 816464-57-0P, 3-Anilino-7-phenyl-2-(piperidin-4-ylcarbonyl)thieno[2,3-b]pyridin-6(7H)-one 816464-59-2P, N-(Azetidin-3-yl)-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-60-5P 816464-61-6P  
816464-62-7P 816464-63-8P, 3-[(2,4-Difluorophenyl)amino]-6-oxo-7-phenyl-N-(piperidin-4-yl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-64-9P, 3-[(2,4-Difluorophenyl)amino]-N-(1-methylpiperidin-4-yl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-65-0P, 3-[(2,4-Difluorophenyl)amino]-7-phenyl-2-[(piperidin-4-yl)carbonyl]thieno[2,3-b]pyridin-6(7H)-one  
816464-66-1P, 3-[(6-Methylpyridin-2-yl)amino]-7-phenyl-2-[(piperidin-4-yl)carbonyl]thieno[2,3-b]pyridin-6(7H)-one  
816464-67-2P, 3-[(4-Fluoro-3-methylphenyl)amino]-2-[(1-methylpiperidin-4-yl)carbonyl]-7-phenylthieno[2,3-b]pyridin-6(7H)-one  
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(inhibitor; preparation of thienopyridone derivs. as p38 MAPK inhibitors)

RN 639481-27-9 CAPLUS

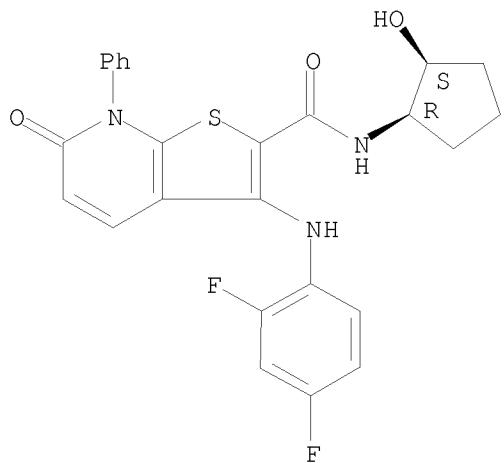
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-3-pyrrolidinyl- (CA INDEX NAME)



RN 816464-52-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1R,2S)-2-hydroxycyclopentyl]-6-oxo-7-phenyl-, rel- (CA INDEX NAME)

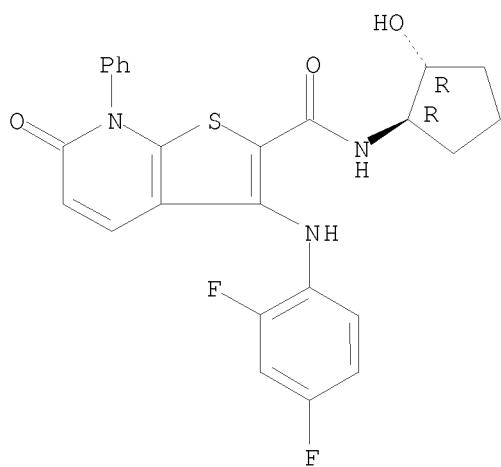
Relative stereochemistry.



RN 816464-53-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1R,2R)-2-hydroxycyclopentyl]-6-oxo-7-phenyl-, rel- (CA INDEX NAME)

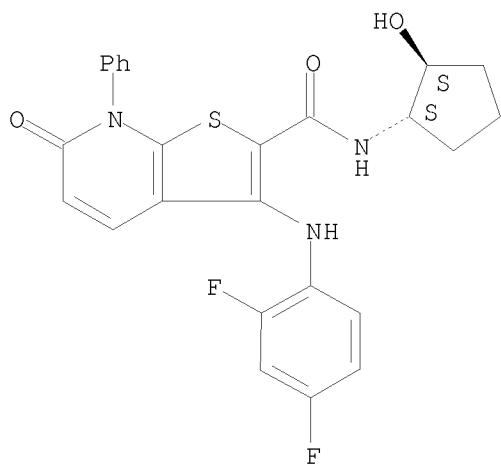
Relative stereochemistry.



RN 816464-54-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1S,2S)-2-hydroxycyclopentyl]-6-oxo-7-phenyl- (CA INDEX NAME)

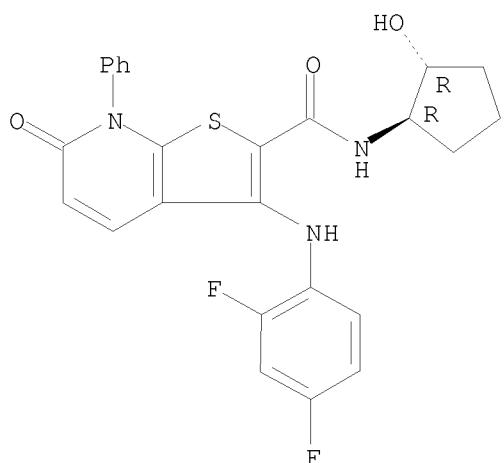
Absolute stereochemistry.



RN 816464-55-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1R,2R)-2-hydroxycyclopentyl]-6-oxo-7-phenyl- (CA INDEX NAME)

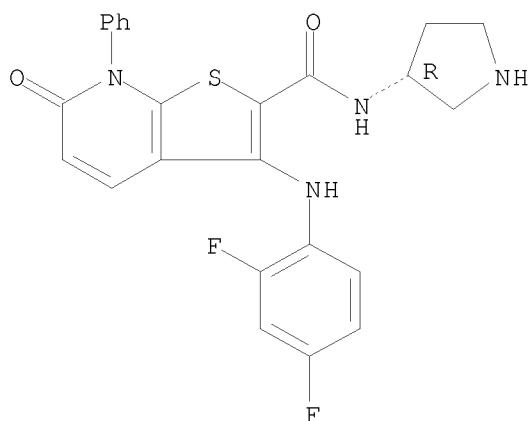
Absolute stereochemistry.



RN 816464-56-9 CAPLUS

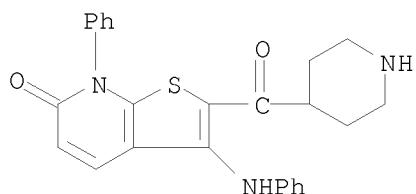
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-(3R)-3-pyrrolidinyl- (CA INDEX NAME)

Absolute stereochemistry.



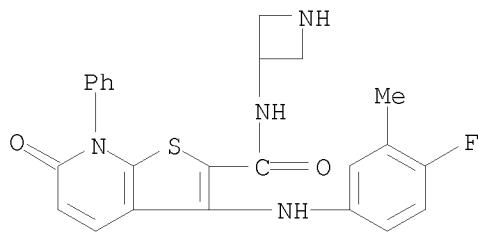
RN 816464-57-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)



RN 816464-59-2 CAPLUS

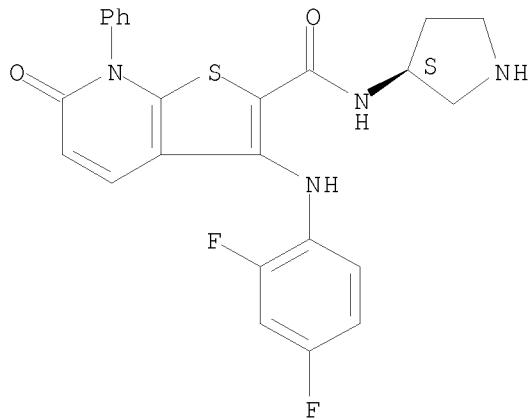
CN Thieno[2,3-b]pyridine-2-carboxamide, N-3-azetidinyl-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 816464-60-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-(3S)-3-pyrrolidinyl- (CA INDEX NAME)

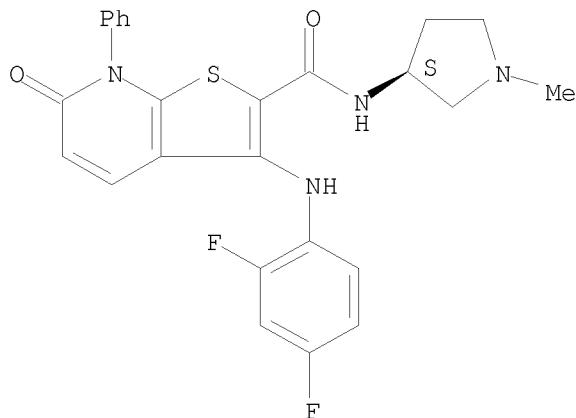
Absolute stereochemistry.



RN 816464-61-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[ (3S)-1-methyl-3-pyrrolidinyl]-6-oxo-7-phenyl- (CA INDEX NAME)

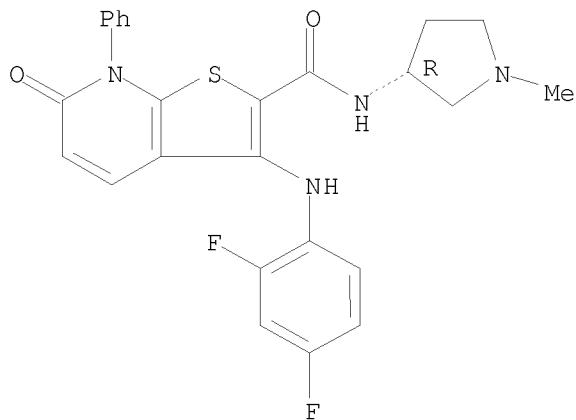
Absolute stereochemistry.



RN 816464-62-7 CAPLUS

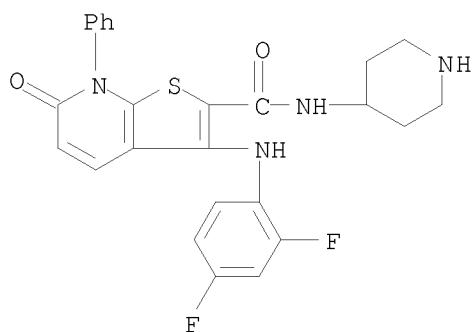
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[ (3R)-1-methyl-3-pyrrolidinyl]-6-oxo-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



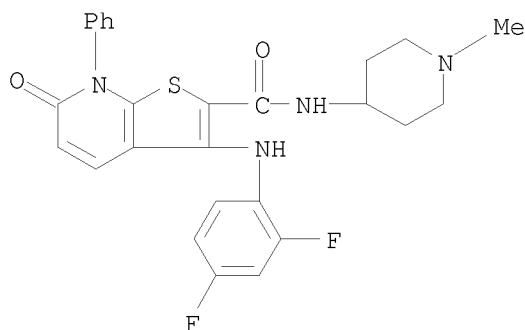
RN 816464-63-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-4-piperidinyl- (CA INDEX NAME)



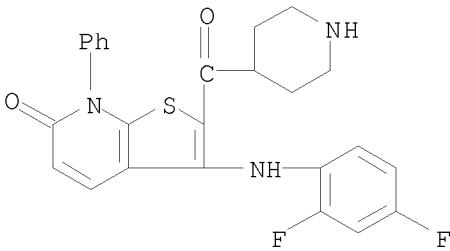
RN 816464-64-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-(1-methyl-4-piperidinyl)-6-oxo-7-phenyl- (CA INDEX NAME)

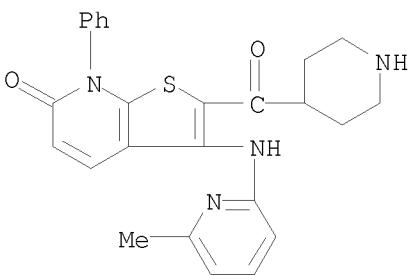


RN 816464-65-0 CAPLUS

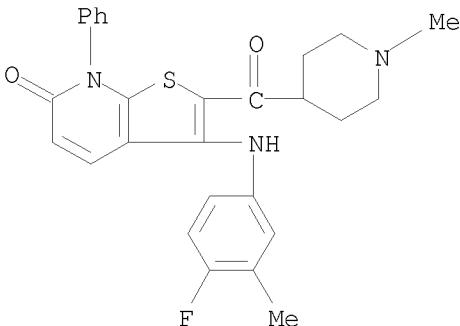
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)



RN 816464-66-1 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(6-methyl-2-pyridinyl)amino]-7-phenyl-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)



RN 816464-67-2 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(1-methyl-4-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



IT 639479-24-6P, Ethyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639482-02-3P,  
 Pentafluorophenyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639482-11-4P,  
 Pentafluorophenyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639482-17-0P, Benzyl  
 3-[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]amino]pyrrolidine-1-carboxylate  
 639504-79-3P, Ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-65-4P  
 , Lithium 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-66-5P, Lithium  
 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816464-41-2P, Tert-Butyl

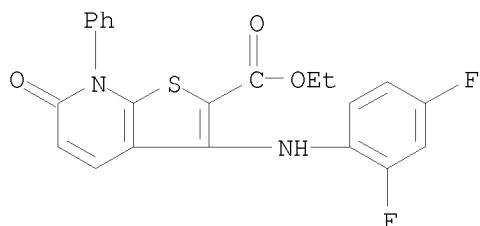
(3R)-3-[[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]amino]pyrrolidine-1-carboxylate  
 816464-45-6P, Tert-Butyl (3S)-3-[[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]amino]pyrrolidine-1-carboxylate 816464-46-7P,  
 Tert-Butyl 4-[[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]amino]piperidine-1-carboxylate 816464-50-3P, Benzyl 4-[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]piperidine-1-carboxylate 816464-51-4P, Benzyl 4-[[3-[(6-methylpyridin-2-yl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]piperidine-1-carboxylate

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of thienopyridone derivs. as p38 MAPK inhibitors)

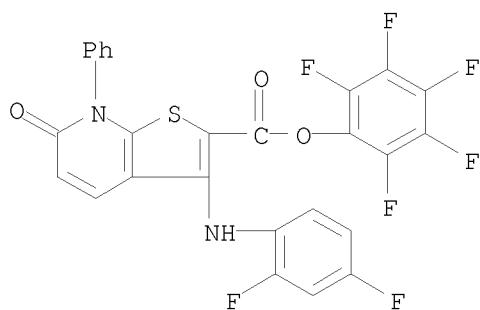
RN 639479-24-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



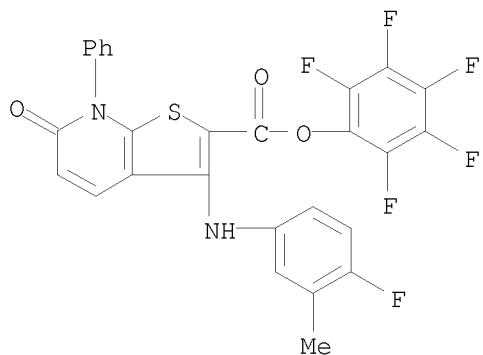
RN 639482-02-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



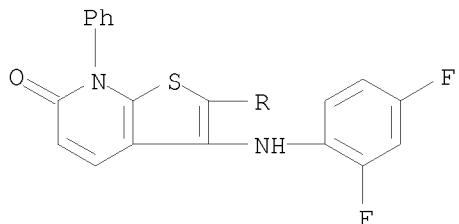
RN 639482-11-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



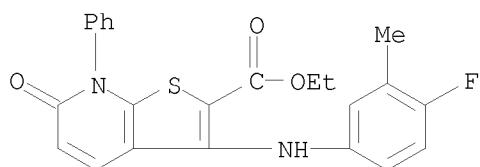
RN 639482-17-0 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, phenylmethyl ester (CA INDEX NAME)



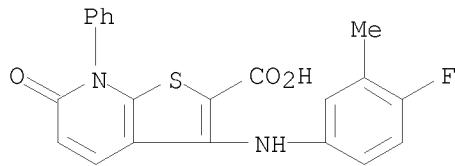
BN 639504-79-3 CAPLUS

RN 335304-75-3 CA INDEX  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 816424-65-4 CAPLUS

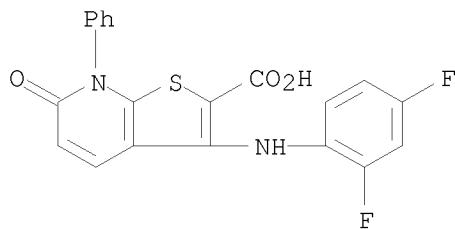
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt (1:1) (CA INDEX NAME)



● Li

RN 816424-66-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt (1:1) (CA INDEX NAME)

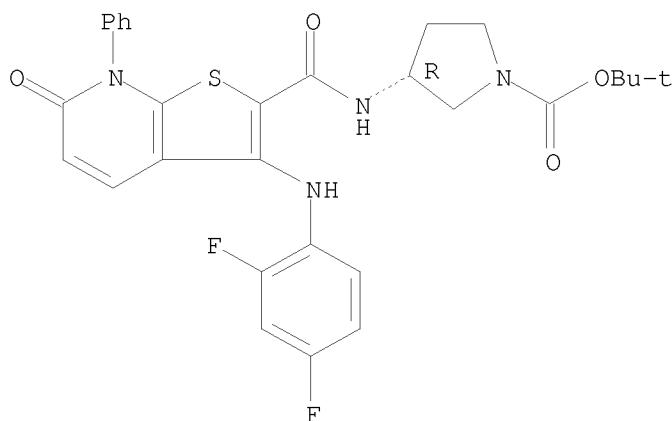


● Li

RN 816464-41-2 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3R)- (CA INDEX NAME)

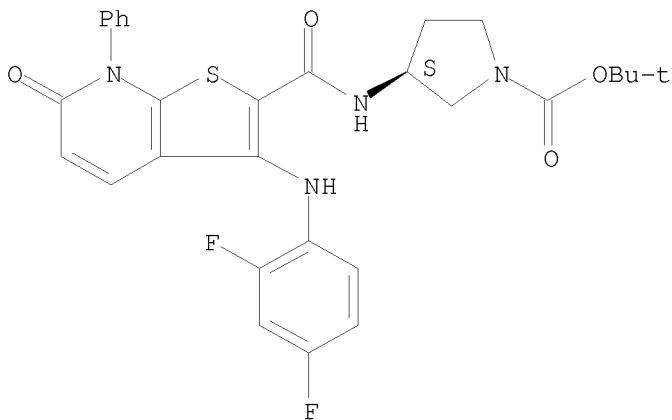
Absolute stereochemistry.



RN 816464-45-6 CAPLUS

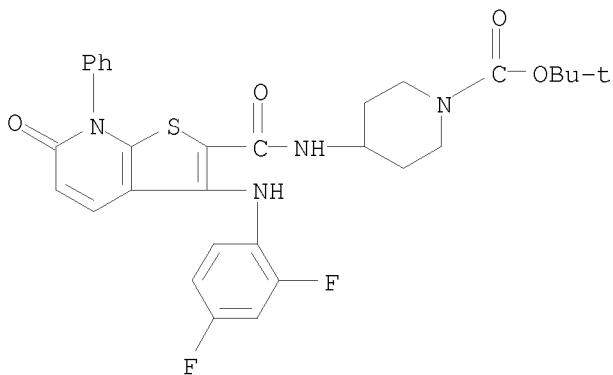
CN 1-Pyrrolidinecarboxylic acid, 3-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3S)- (CA INDEX NAME)

Absolute stereochemistry.



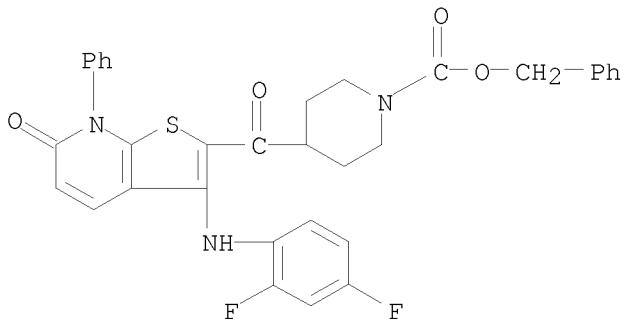
RN 816464-46-7 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)



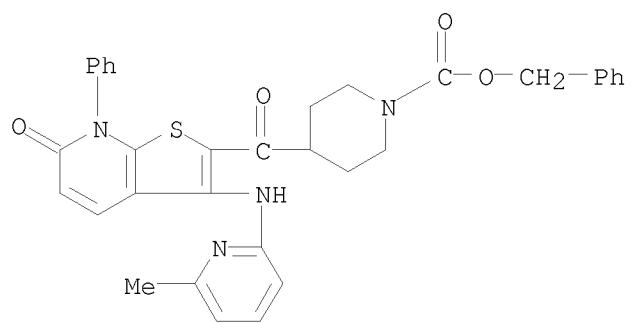
RN 816464-50-3 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-, phenylmethyl ester (CA INDEX NAME)



RN 816464-51-4 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[6,7-dihydro-3-[(6-methyl-2-pyridinyl)amino]-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-, phenylmethyl ester (CA INDEX NAME)



REFERENCE COUNT:

4

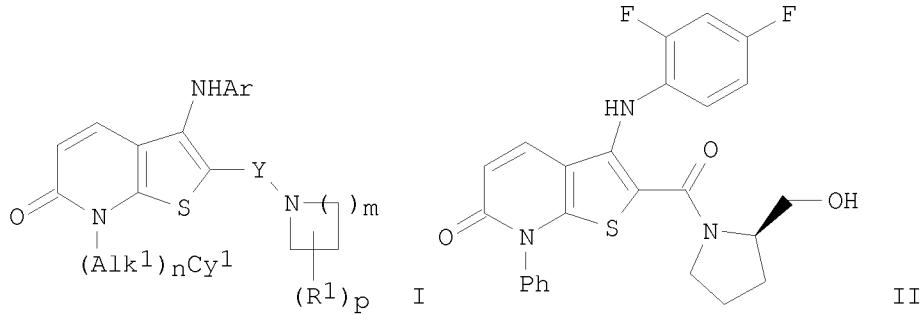
THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2004:1154720 CAPLUS  
DOCUMENT NUMBER: 142:93795  
TITLE: Preparation of thienopyridone derivatives as p38 $\alpha$  kinase inhibitors  
INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin;  
Langham, Barry John  
PATENT ASSIGNEE(S): Celltech R & D Limited, UK  
SOURCE: PCT Int. Appl., 129 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113347	A1	20041229	WO 2004-GB2621	20040618
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004249495	A1	20041229	AU 2004-249495	20040618
CA 2528602	A1	20041229	CA 2004-2528602	20040618
EP 1641804	A1	20060405	EP 2004-742976	20040618
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR			
BR 2004010653	A	20060704	BR 2004-10653	20040618
CN 1809575	A	20060726	CN 2004-80017320	20040618
JP 2007516161	T	20070621	JP 2006-516443	20040618
MX 2005PA13227	A	20060309	MX 2005-PA13227	20051206
IN 2005DN05823	A	20080201	IN 2005-DN5823	20051214
NO 2006000279	A	20060320	NO 2006-279	20060119
US 20070099894	A1	20070503	US 2006-561052	20061010
PRIORITY APPLN. INFO.:			GB 2003-14492	A 20030620
			GB 2003-29485	A 20031219
			WO 2004-GB2621	W 20040618

OTHER SOURCE(S): CASREACT 142:93795; MARPAT 142:93795

GI



AB Title compds. I [Y = linking group CO, SO<sub>2</sub>; n = 0-1; m, p = 1-4; R1 = OH, alkylene-OH, alkoxy, etc.; Alk1 = alkylene; Cy1 = cycloaliph., aromatic, heteroarom., etc.; Ar = (un)substituted (hetero)aromatic, etc.] are prepared. For instance, 3-Bromo-7-phenyl-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy)methyl]pyrrolidin-1-yl]carbonyl]thieno[2,3-b]pyridin-6(7H)-one (preparation given) is coupled to 2,4-difluoroaniline (PhMe, Cs<sub>2</sub>CO<sub>3</sub>, BINAP, Pd<sub>2</sub>(dba)<sub>3</sub>, reflux 48 h) and the resulting product deprotected with HCl to give II. All compds. inhibit p38 kinase with IC<sub>50</sub> of 1 μM or less. I are useful for the treatment and/or prevention of immune or inflammatory disorders.

IT 816423-93-5P 816423-94-6P 816423-95-7P  
 816423-96-8P 816423-97-9P 816423-98-0P  
 816423-99-1P 816424-00-7P 816424-01-8P  
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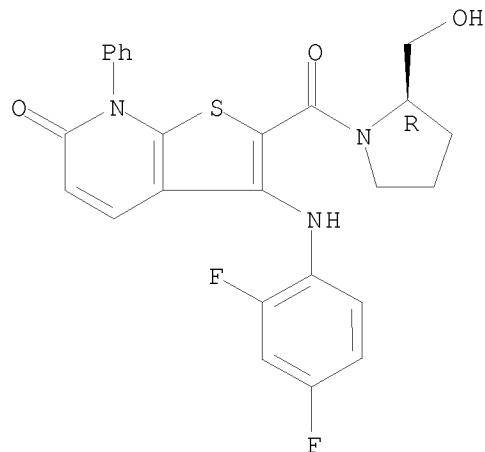
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of thienopyridone derivs. as p38α kinase inhibitors)

RN 816423-93-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

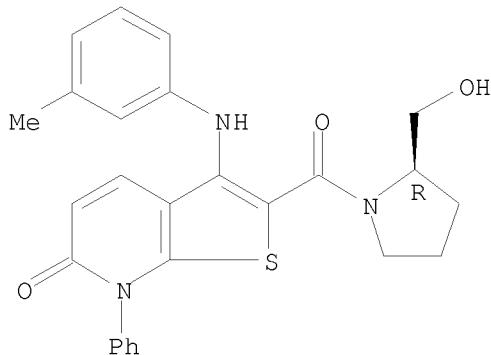
Absolute stereochemistry.



RN 816423-94-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-[(3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

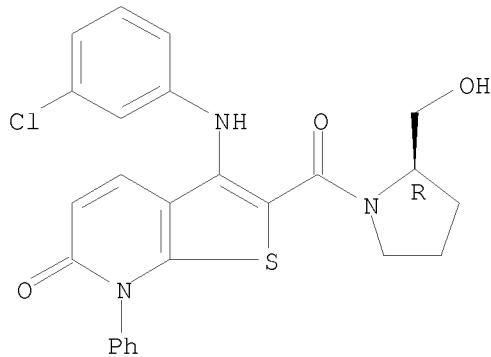
Absolute stereochemistry.



RN 816423-95-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

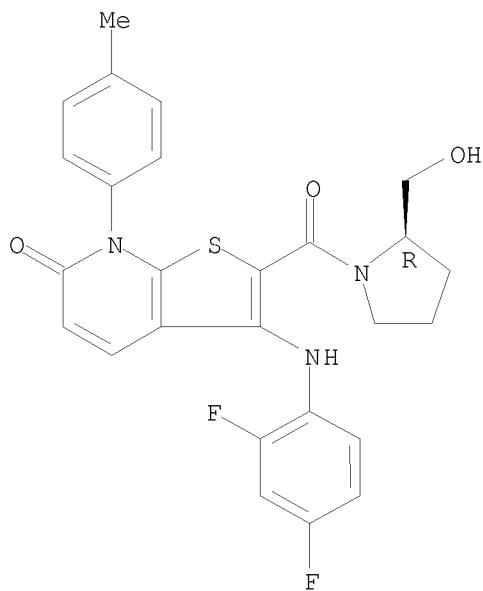
Absolute stereochemistry.



RN 816423-96-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

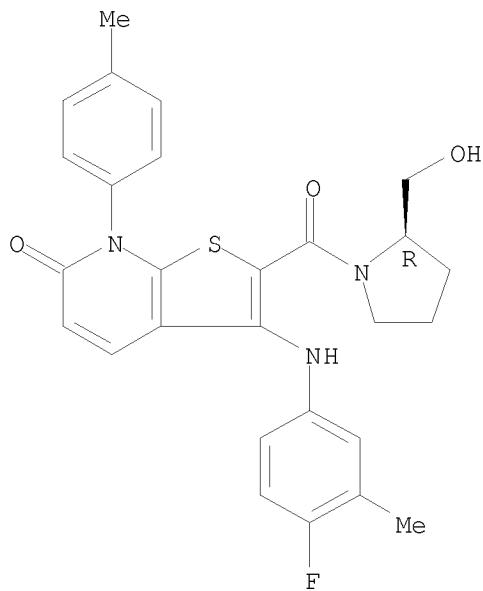
Absolute stereochemistry.



RN 816423-97-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

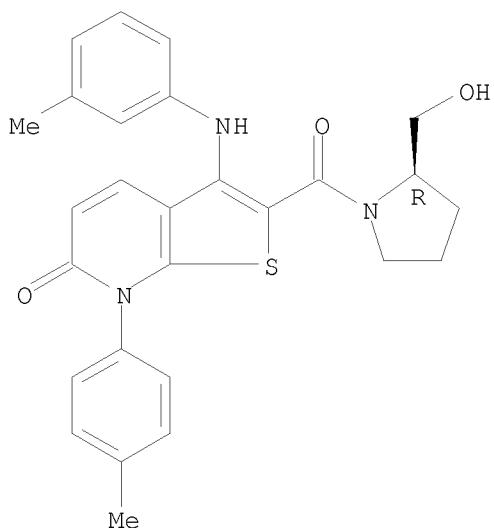
Absolute stereochemistry.



RN 816423-98-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)-3-[(3-methylphenyl)amino]- (CA INDEX NAME)

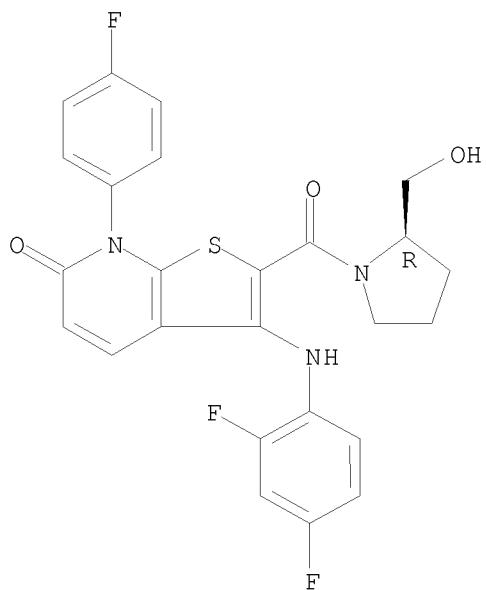
Absolute stereochemistry.



RN 816423-99-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

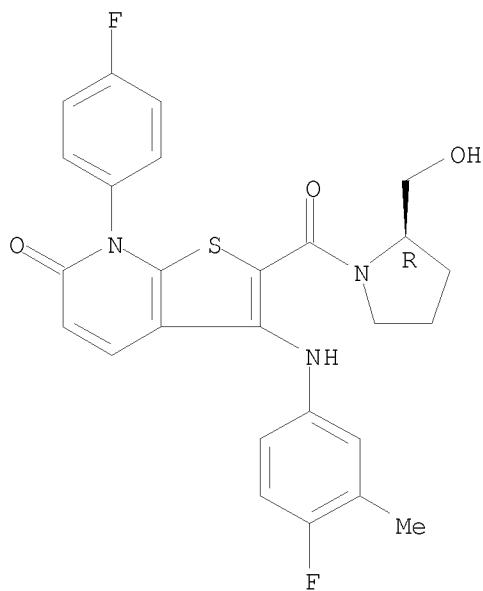
Absolute stereochemistry.



RN 816424-00-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

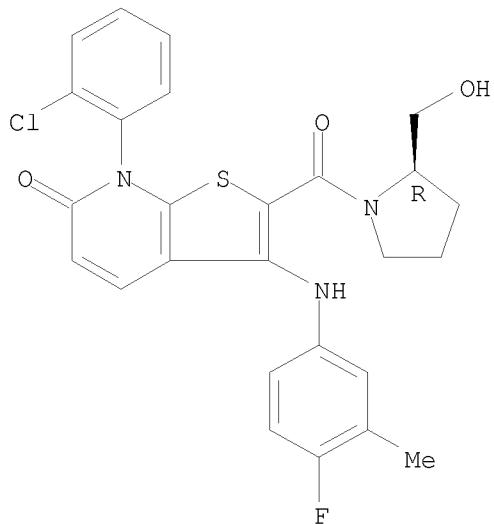
Absolute stereochemistry.



RN 816424-01-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

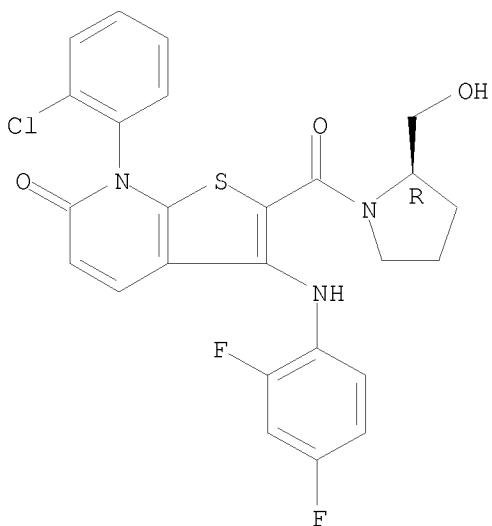
Absolute stereochemistry.



RN 816424-02-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

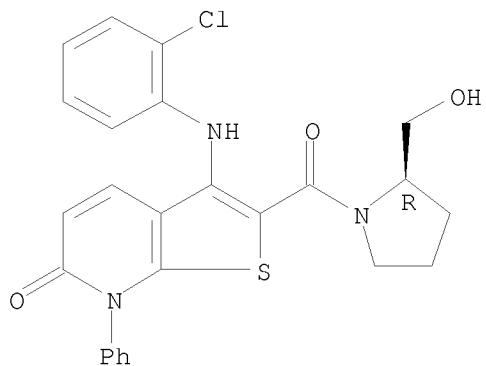
Absolute stereochemistry.



RN 816424-03-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2-chlorophenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

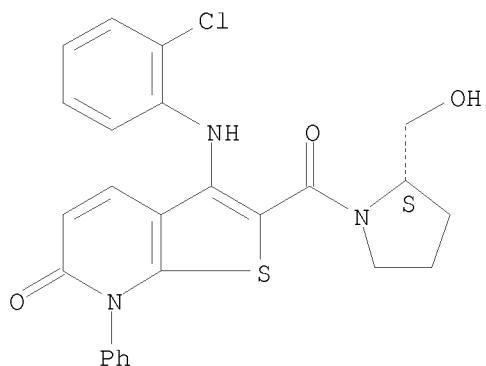
Absolute stereochemistry.



RN 816424-04-1 CAPLUS

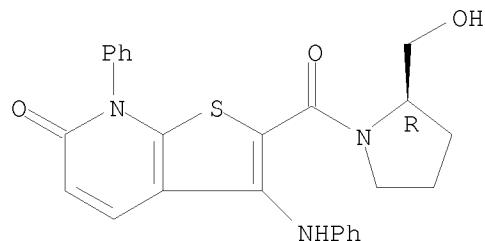
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2-chlorophenyl)amino]-2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



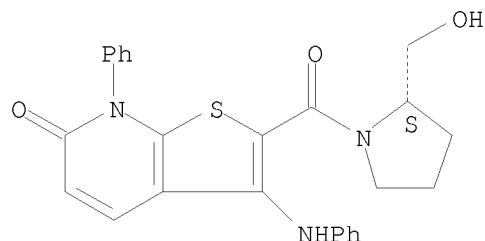
RN 816424-05-2 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

Absolute stereochemistry.



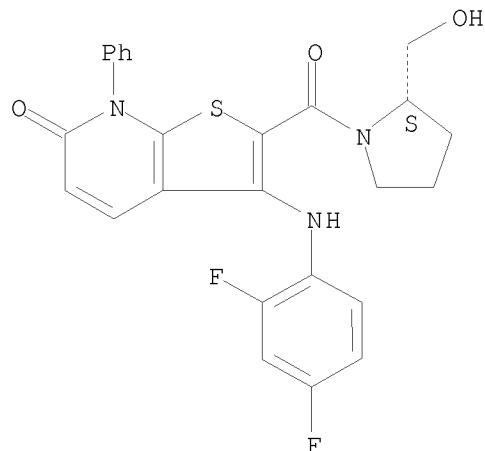
RN 816424-06-3 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

Absolute stereochemistry.



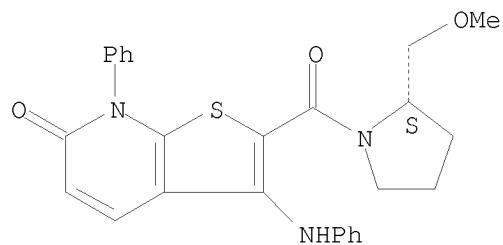
RN 816424-07-4 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-08-5 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2S)-2-(methoxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

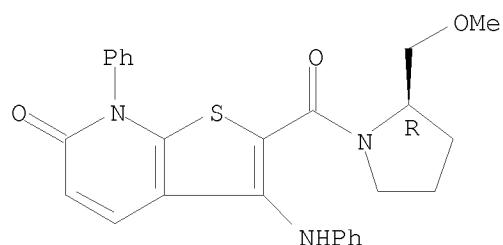
Absolute stereochemistry.



RN 816424-09-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2R)-2-(methoxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

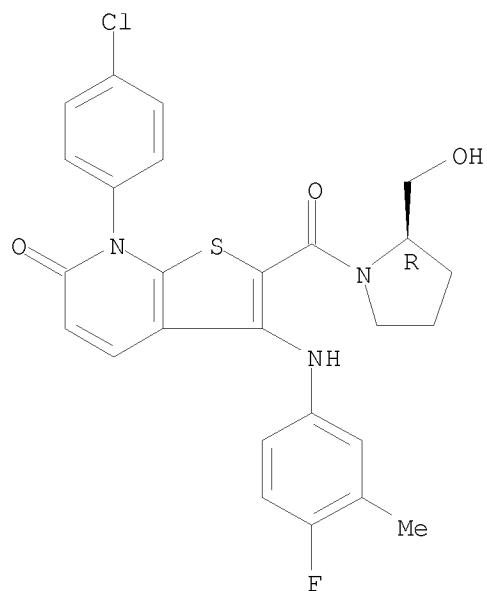
Absolute stereochemistry.



RN 816424-10-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

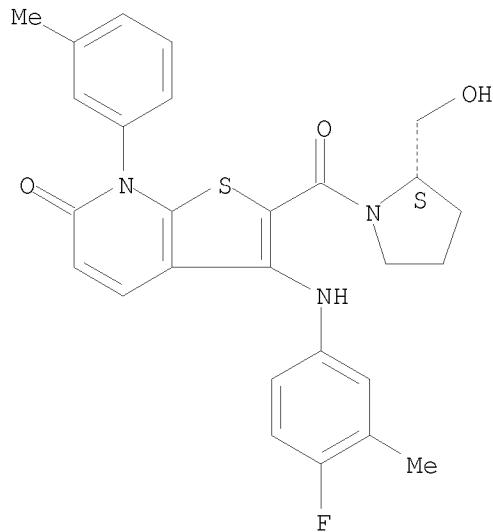
Absolute stereochemistry.



RN 816424-11-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-  
[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(3-methylphenyl)- (CA  
INDEX NAME)

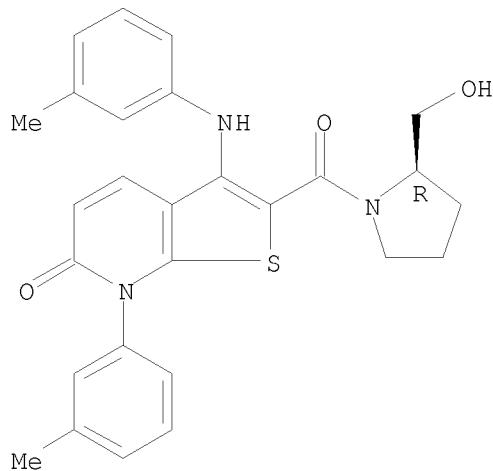
Absolute stereochemistry.



RN 816424-12-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2R)-2-(hydroxymethyl)-1-  
pyrrolidinyl]carbonyl]-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]- (CA  
INDEX NAME)

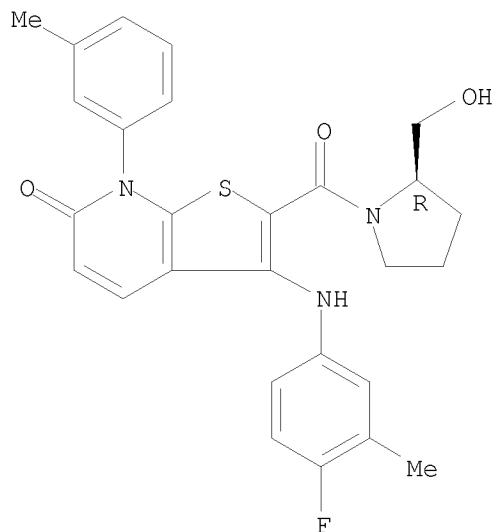
Absolute stereochemistry.



RN 816424-13-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-  
[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(3-methylphenyl)- (CA  
INDEX NAME)

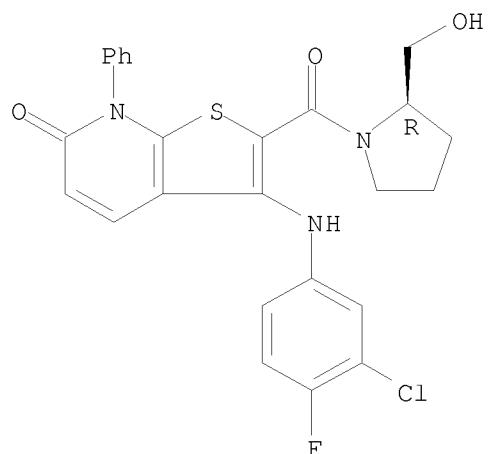
Absolute stereochemistry.



RN 816424-14-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chloro-4-fluorophenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

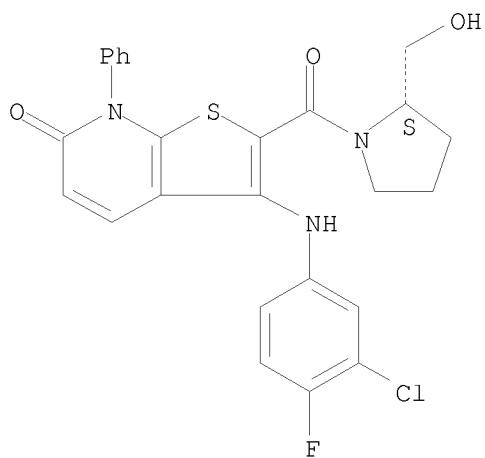
Absolute stereochemistry.



RN 816424-15-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chloro-4-fluorophenyl)amino]-2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

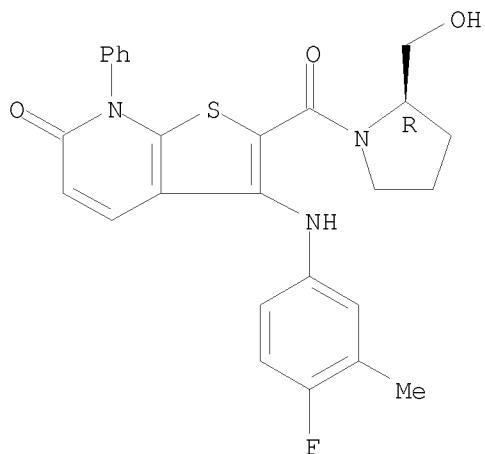
Absolute stereochemistry.



RN 816424-16-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

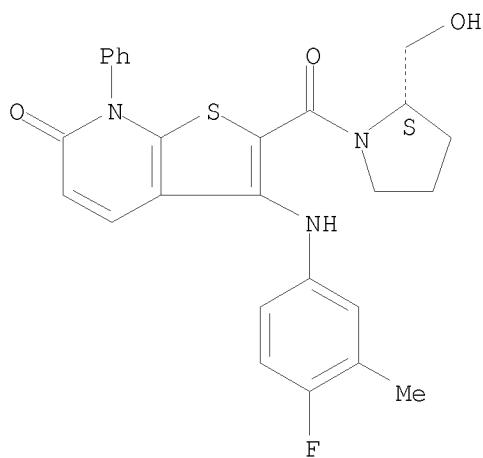
Absolute stereochemistry.



RN 816424-17-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

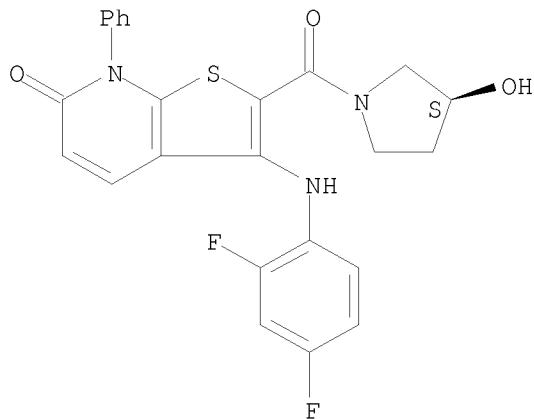
Absolute stereochemistry.



RN 816424-18-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

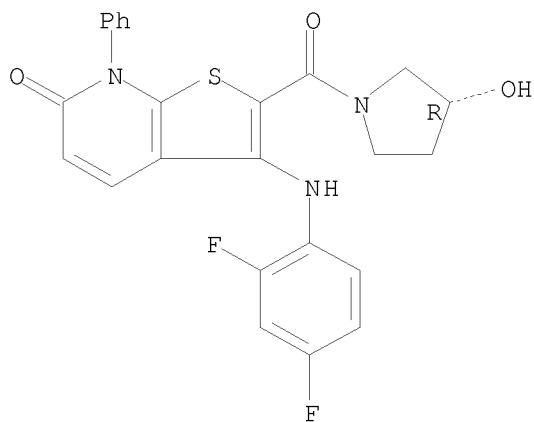
Absolute stereochemistry.



RN 816424-19-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

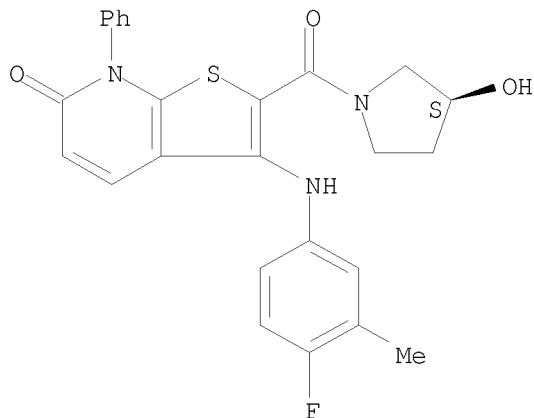
Absolute stereochemistry.



RN 816424-20-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

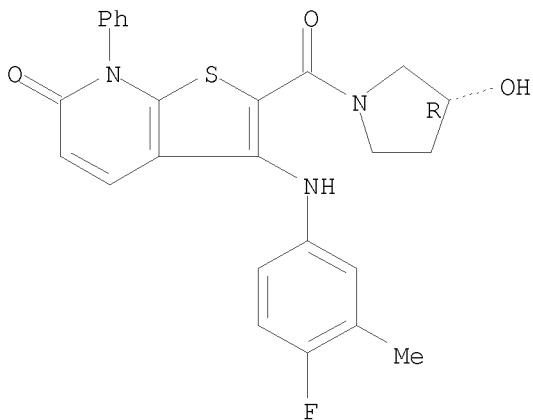
Absolute stereochemistry.



RN 816424-21-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

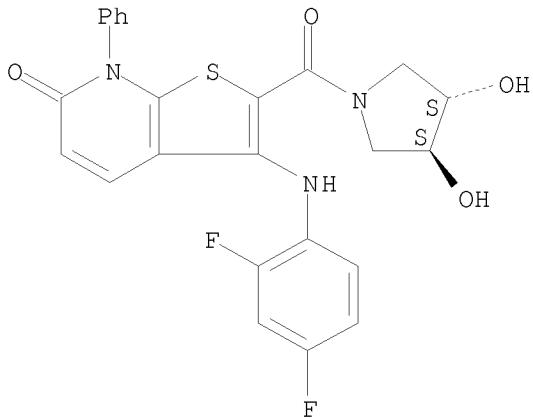
Absolute stereochemistry.



RN 816424-22-3 CAPLUS

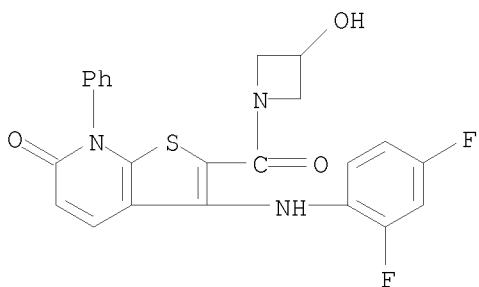
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3S,4S)-3,4-dihydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-23-4 CAPLUS

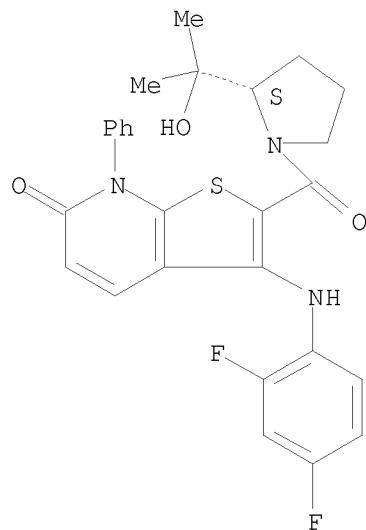
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3-hydroxy-1-azetidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-24-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(2S)-2-(1-hydroxy-1-methylethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

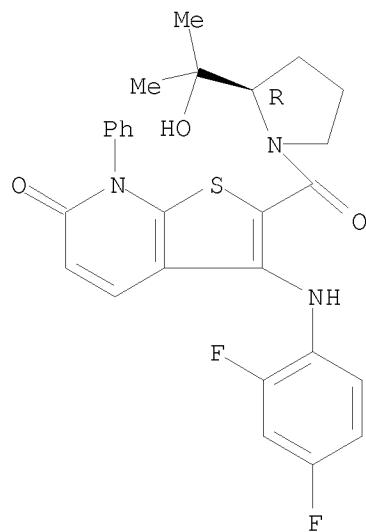
Absolute stereochemistry.



RN 816424-25-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(2R)-2-(1-hydroxy-1-methylethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

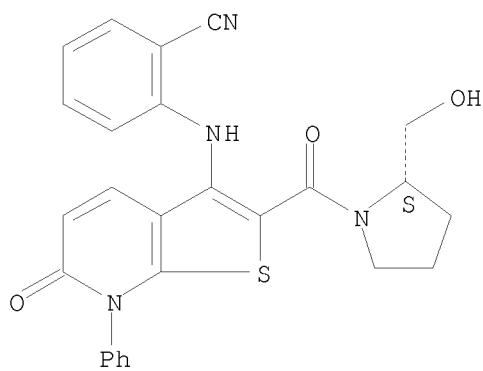
Absolute stereochemistry.



RN 816424-26-7 CAPLUS

CN Benzonitrile, 2-[(6,7-dihydro-2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl)-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)

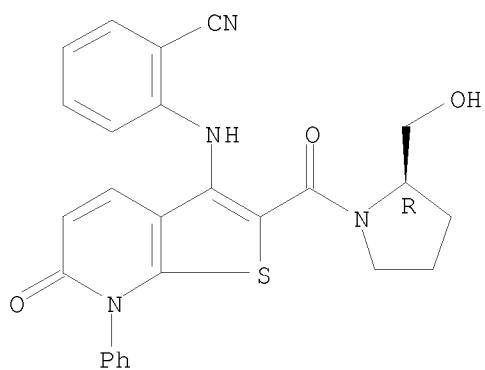
Absolute stereochemistry.



RN 816424-27-8 CAPLUS

CN Benzonitrile, 2-[(6,7-dihydro-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)

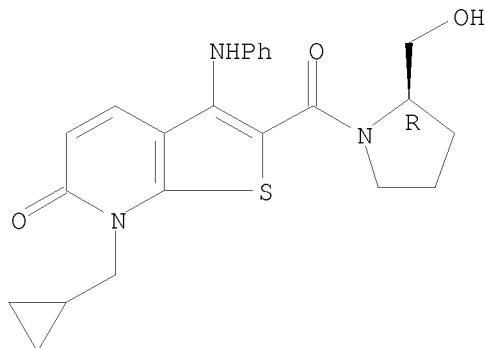
Absolute stereochemistry.



RN 816424-28-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(cyclopropylmethyl)-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-(phenylamino)- (CA INDEX NAME)

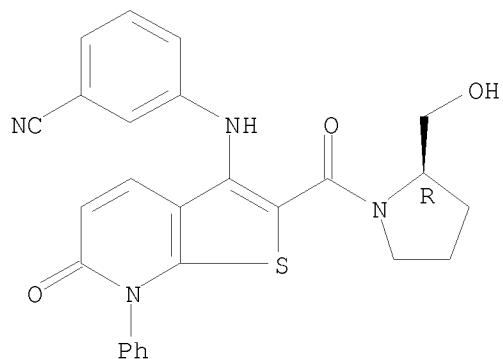
Absolute stereochemistry.



RN 816424-29-0 CAPLUS

CN Benzonitrile, 3-[(6,7-dihydro-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl)-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)

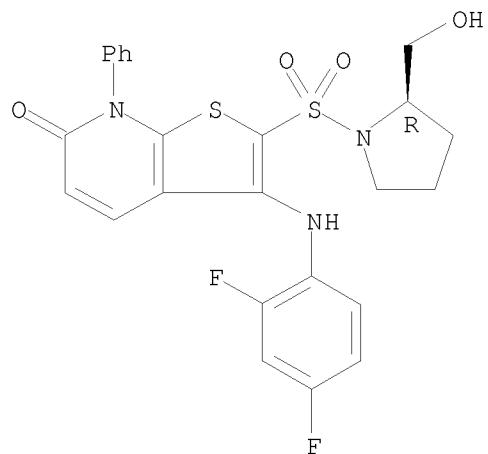
Absolute stereochemistry.



RN 816424-30-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]sulfonyl]-7-phenyl- (CA INDEX NAME)

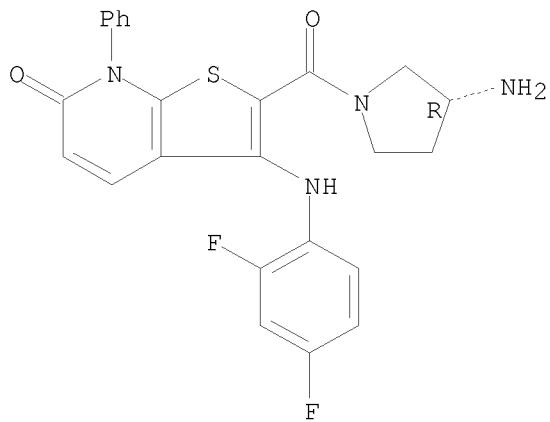
Absolute stereochemistry.



RN 816424-31-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3R)-3-amino-1-pyrrolidinyl]carbonyl-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

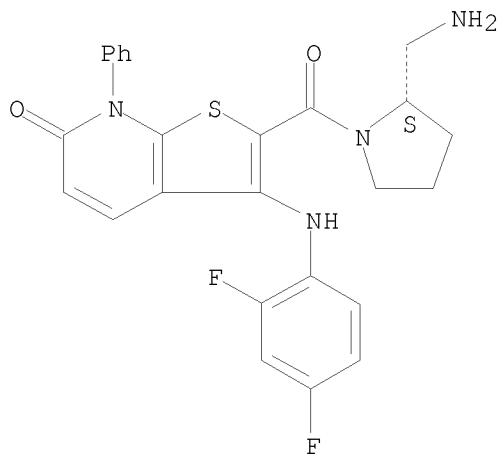
Absolute stereochemistry.



RN 816424-32-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2S)-2-(aminomethyl)-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

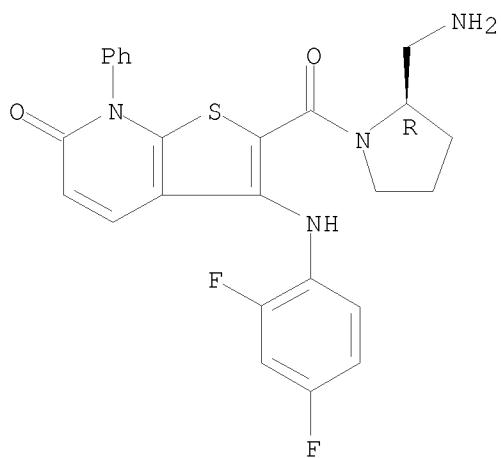
Absolute stereochemistry.



RN 816424-33-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2R)-2-(aminomethyl)-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

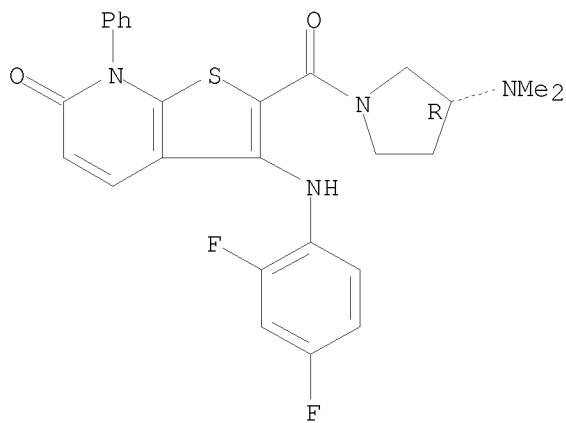
Absolute stereochemistry.



RN 816424-34-7 CAPLUS

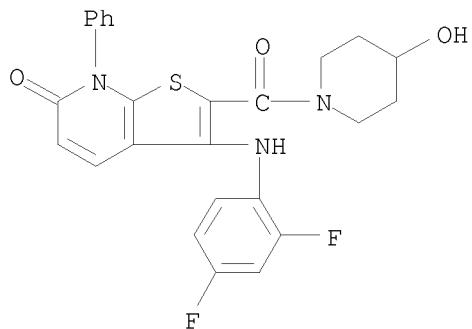
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3R)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



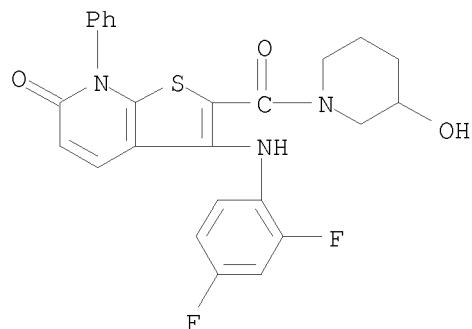
RN 816424-35-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(4-hydroxy-1-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-36-9 CAPLUS

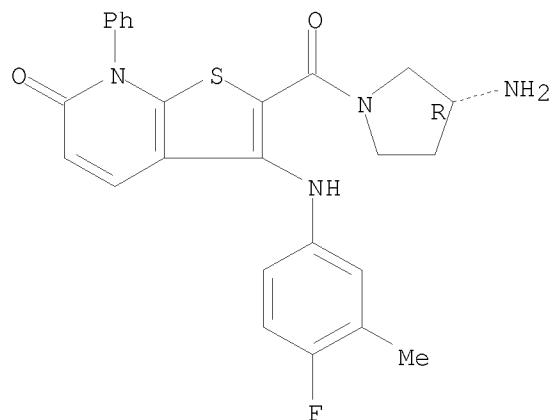
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3-hydroxy-1-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-37-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[3R)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

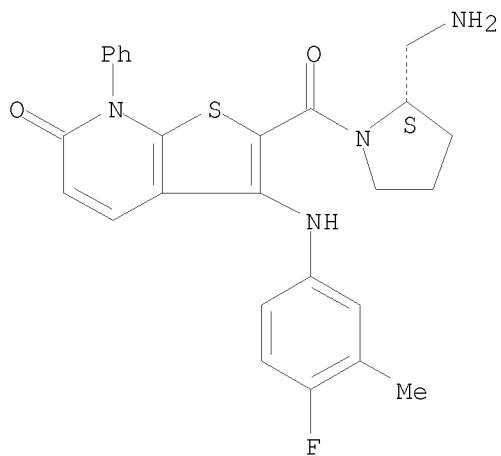
Absolute stereochemistry.



RN 816424-38-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2S)-2-(aminomethyl)-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

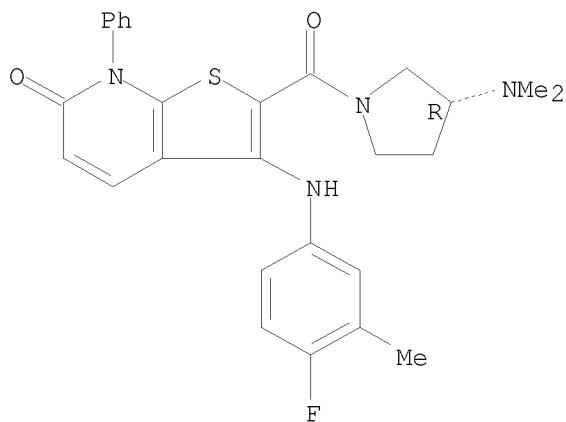
Absolute stereochemistry.



RN 816424-39-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3R)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

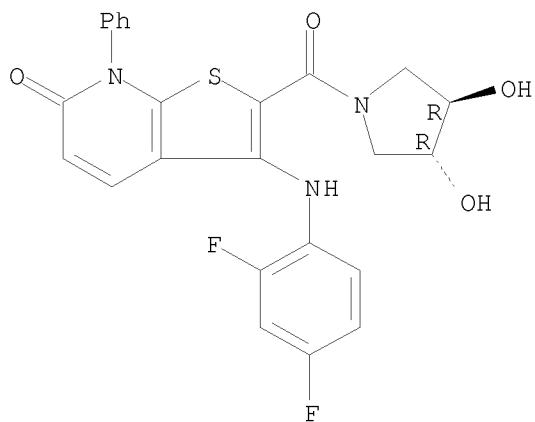
Absolute stereochemistry.



RN 816424-40-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3R,4R)-3,4-dihydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

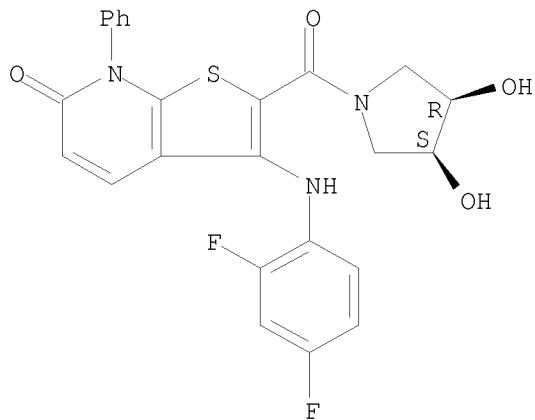
Absolute stereochemistry.



RN 816424-41-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3R,4S)-3,4-dihydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl-, rel- (CA INDEX NAME)

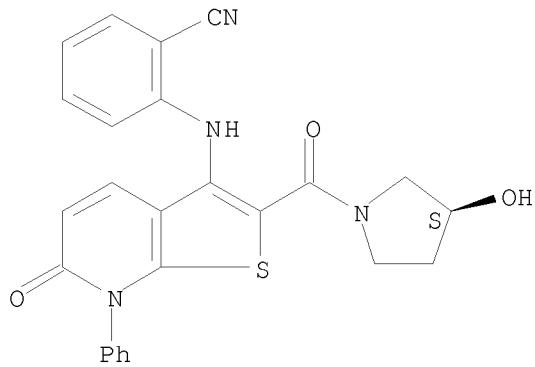
Relative stereochemistry.



RN 816424-42-7 CAPLUS

CN Benzonitrile, 2-[(6,7-dihydro-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl)-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)

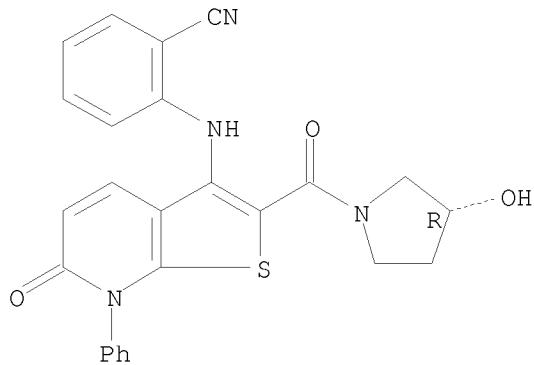
Absolute stereochemistry.



RN 816424-43-8 CAPLUS

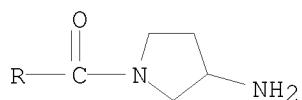
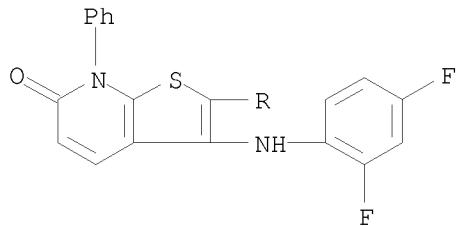
CN Benzonitrile, 2-[(6,7-dihydro-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl)-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-44-9 CAPLUS

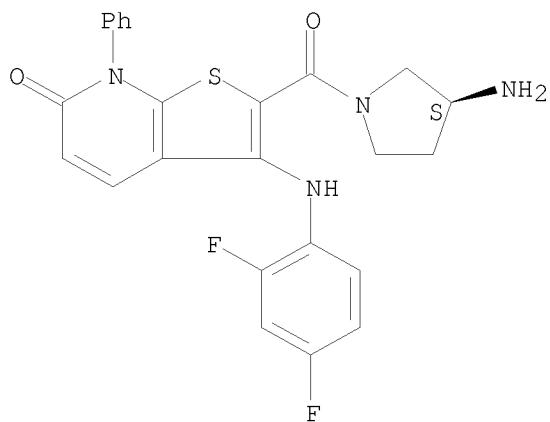
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3-amino-1-pyrrolidinyl)carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)



RN 816424-45-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3S)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

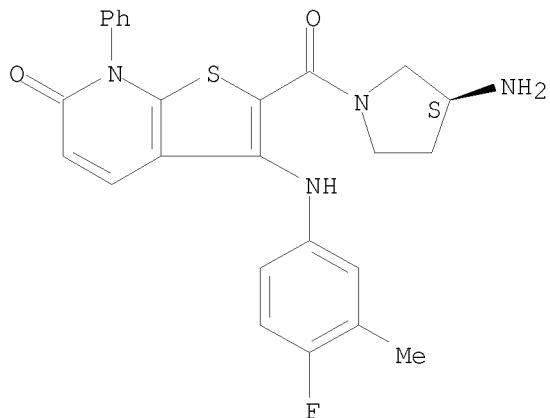
Absolute stereochemistry.



RN 816424-46-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3S)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

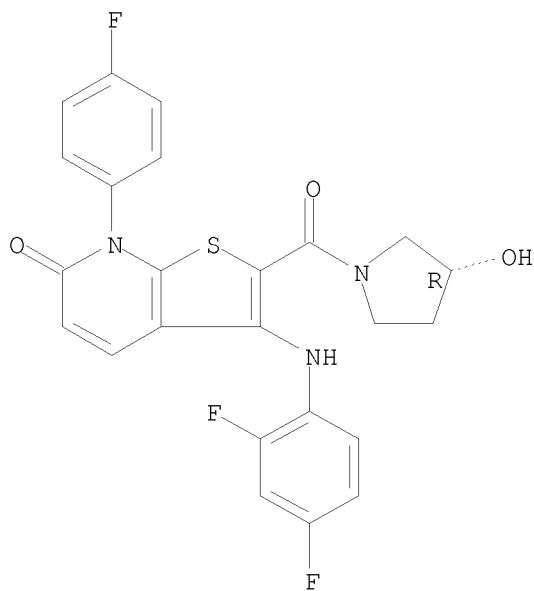
Absolute stereochemistry.



RN 816424-47-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

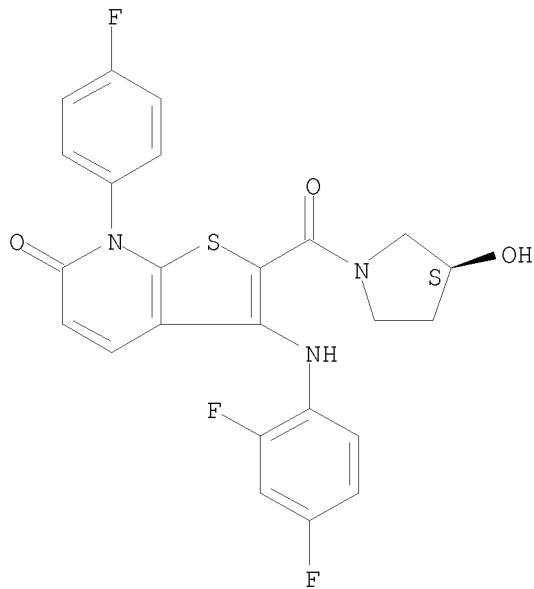
Absolute stereochemistry.



RN 816424-48-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

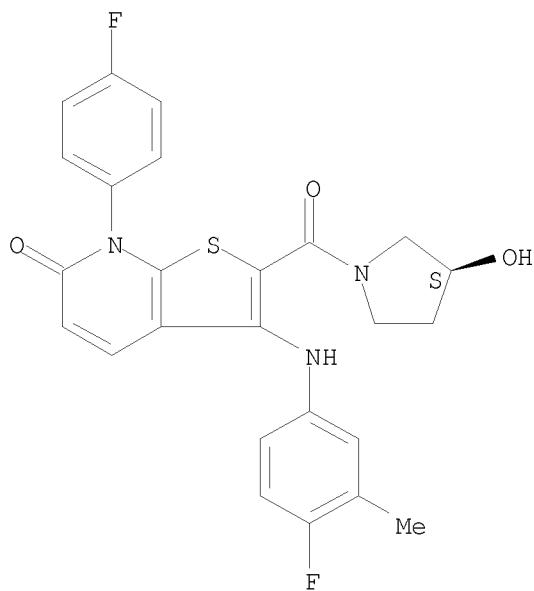
Absolute stereochemistry.



RN 816424-49-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

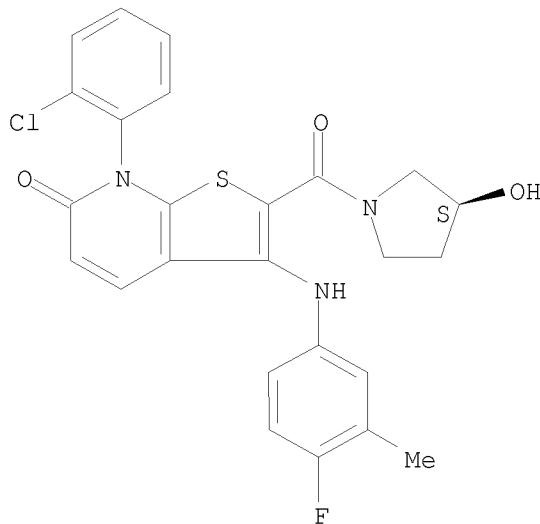
Absolute stereochemistry.



RN 816424-50-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

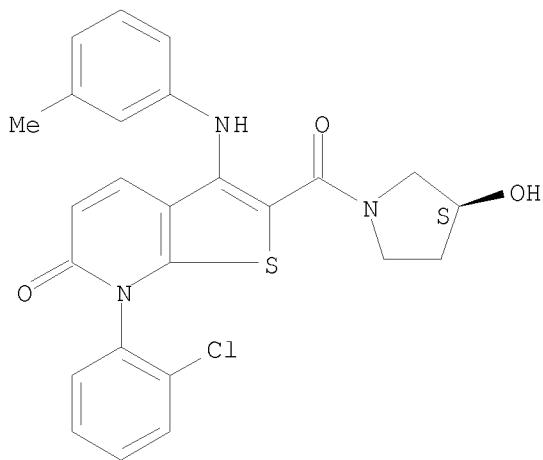
Absolute stereochemistry.



RN 816424-51-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-3-[(3-methylphenyl)amino]- (CA INDEX NAME)

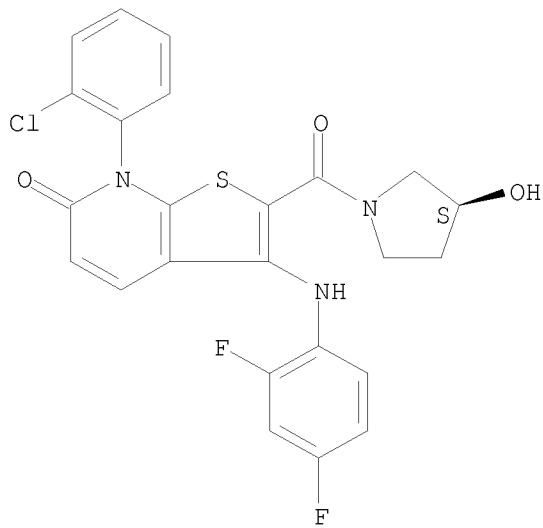
Absolute stereochemistry.



RN 816424-52-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

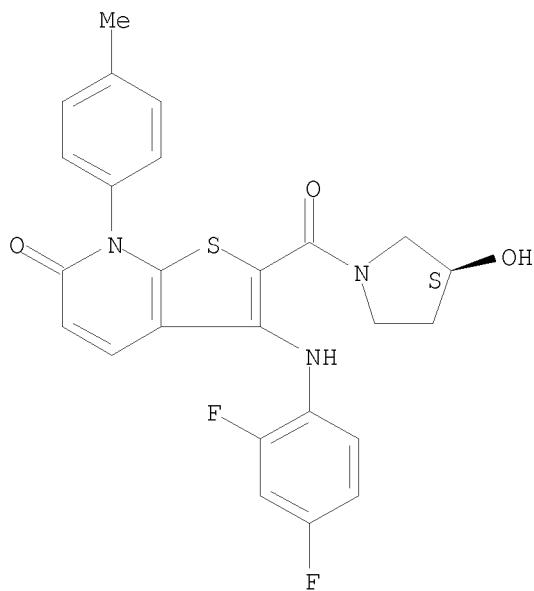
Absolute stereochemistry.



RN 816424-53-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

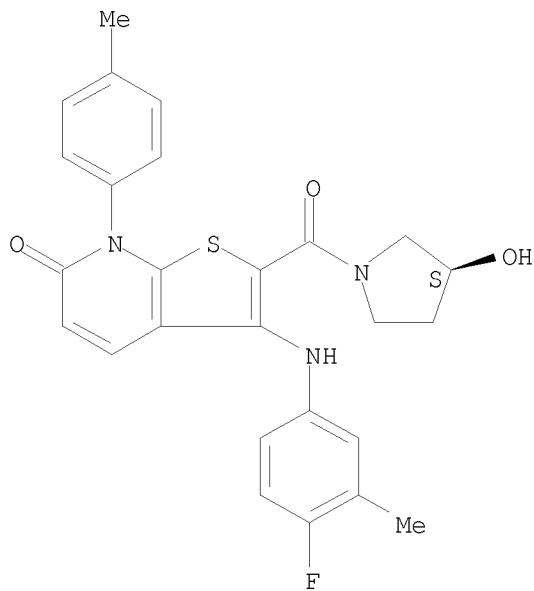
Absolute stereochemistry.



RN 816424-54-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

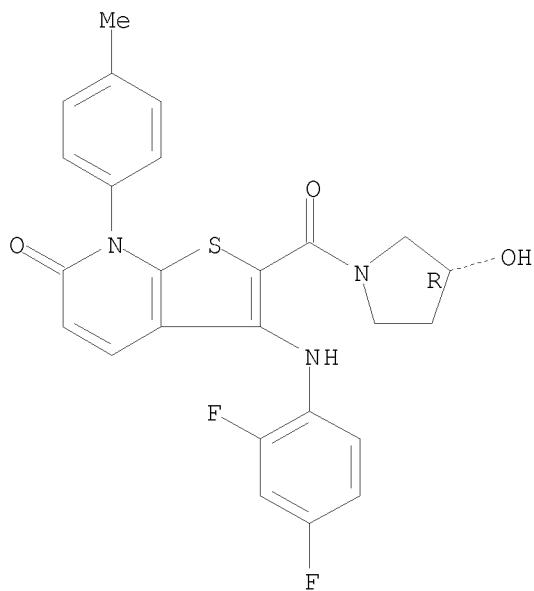
Absolute stereochemistry.



RN 816424-55-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

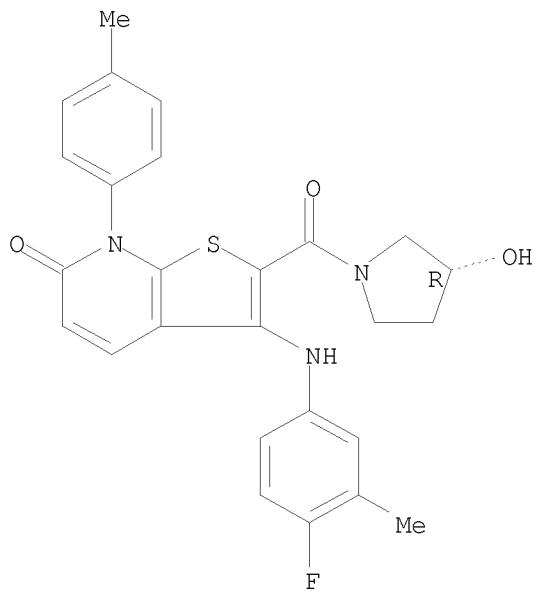
Absolute stereochemistry.



RN 816424-56-3 CAPLUS

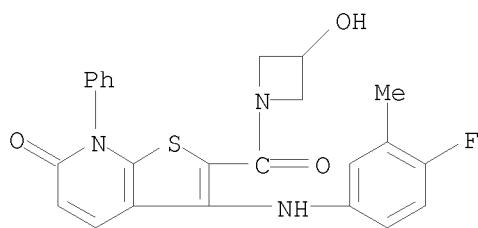
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)-(CA INDEX NAME)

Absolute stereochemistry.



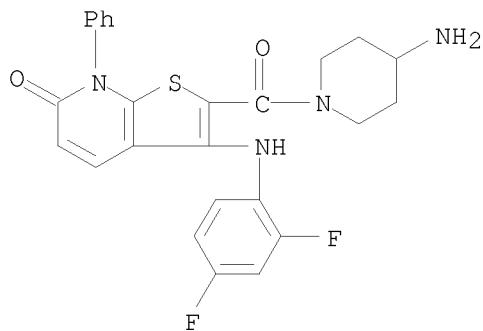
RN 816424-57-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(3S)-3-hydroxy-1-azetidinyl]carbonyl]-7-phenyl-(CA INDEX NAME)



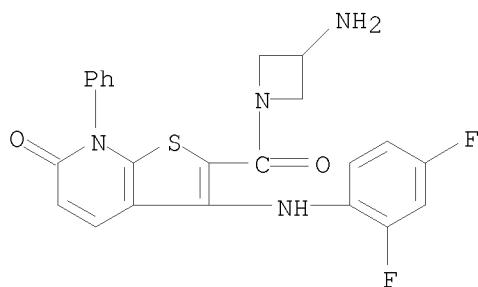
RN 816424-58-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-amino-1-piperidinyl)carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)



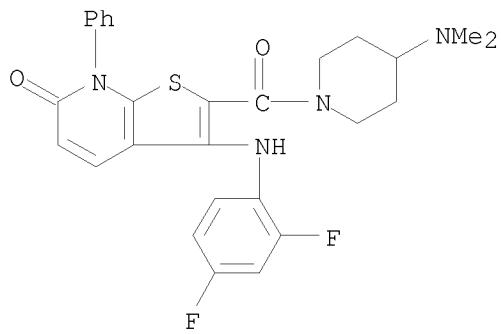
RN 816424-59-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3-amino-1-azetidinyl)carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)



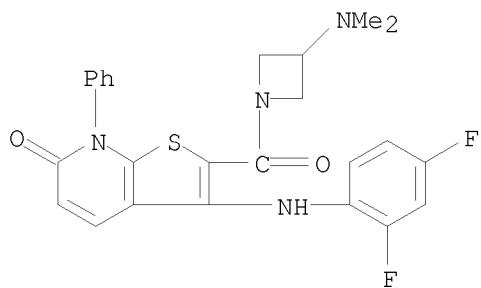
RN 816424-60-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(4-(dimethylamino)-1-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-61-0 CAPLUS

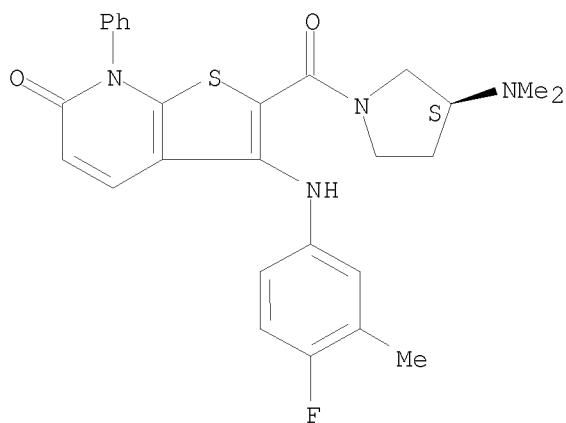
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3-(dimethylamino)-1-azetidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-62-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3S)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

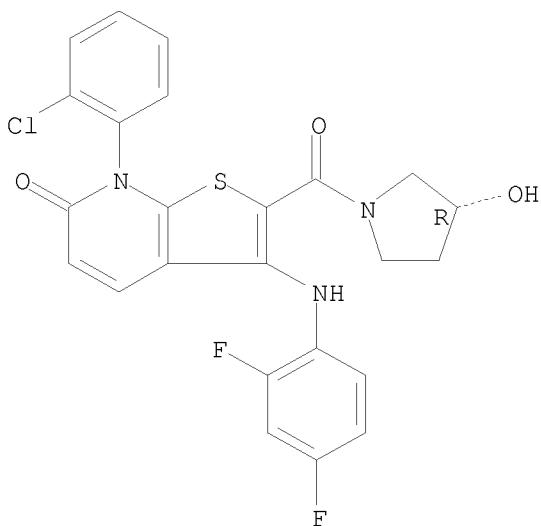
Absolute stereochemistry.



RN 816424-63-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

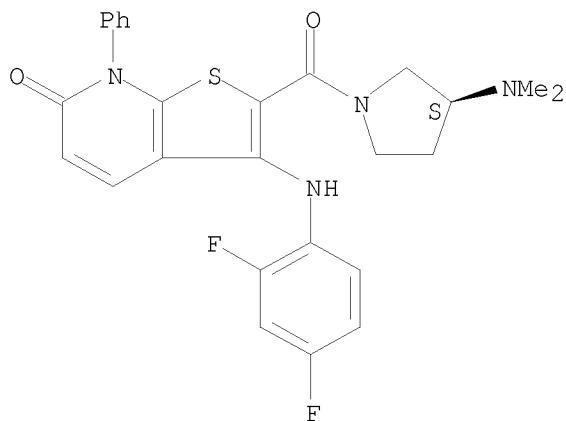
Absolute stereochemistry.



RN 816426-21-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3S)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

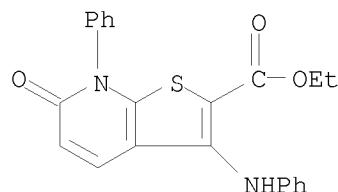
Absolute stereochemistry.



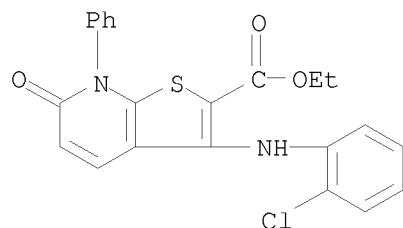
IT 639479-13-3P, Ethyl 3-anilino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-14-4P, Ethyl 3-[(2-chlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-21-3P, Ethyl 3-[(3-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-22-4P, Ethyl 3-[(2-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-24-6P, Ethyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-26-8P 639479-59-7P, Ethyl 3-anilino-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-45-8P, Ethyl 3-[(3-chloro-4-fluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-49-2P, Ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-(4-chlorophenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-50-5P, Ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-(3-methylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-51-6P, Ethyl 3-[(3-methylphenyl)amino]-6-oxo-7-(3-methylphenyl)-6,7-dihydrothieno[2,3-

b]pyridine-2-carboxylate 639481-80-4P, 3-[(2,4-Difluorophenyl)amino]-7-phenylthieno[2,3-b]pyridin-6(7H)-one  
 639482-02-3P 639482-11-4P 639504-79-3P, Ethyl  
 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-65-4P 816424-66-5P  
 816424-67-6P 816424-68-7P 816424-69-8P  
 816424-70-1P 816424-79-0P 816424-80-3P  
 816424-81-4P 816424-82-5P 816424-83-6P  
 816424-84-7P 816424-85-8P 816424-86-9P  
 816424-90-5P 816424-91-6P 816424-93-8P, Sodium  
 3-[(2-chlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-94-9P 816424-95-0P  
 816424-96-1P 816424-97-2P, Pentafluorophenyl  
 3-[(2-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816425-03-3P 816425-04-4P  
 816425-05-5P 816425-07-7P 816425-08-8P  
 816425-09-9P 816425-15-7P 816425-16-8P  
 816425-17-9P 816425-20-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of thienopyridone derivs. as p38 $\alpha$  kinase inhibitors)

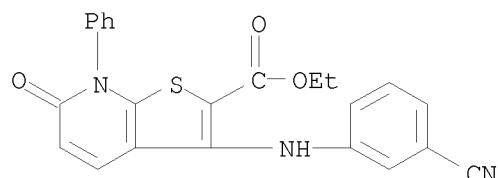
RN 639479-13-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



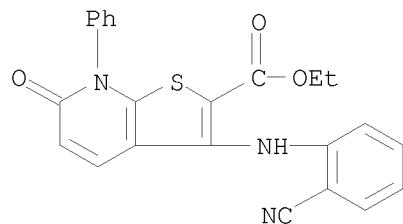
RN 639479-14-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



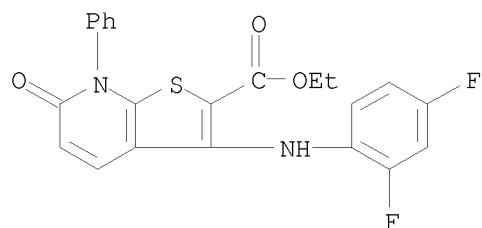
RN 639479-21-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



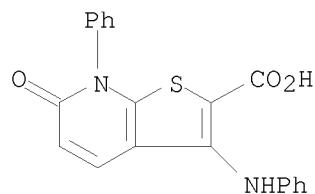
RN 639479-22-4 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 639479-24-6 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)

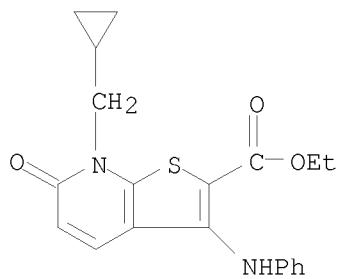


RN 639479-26-8 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ammonium salt (1:1) (CA INDEX NAME)



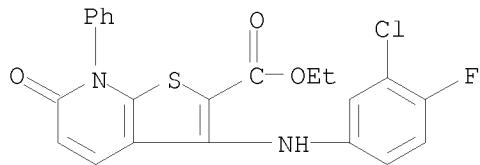
● NH<sub>3</sub>

RN 639479-59-7 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



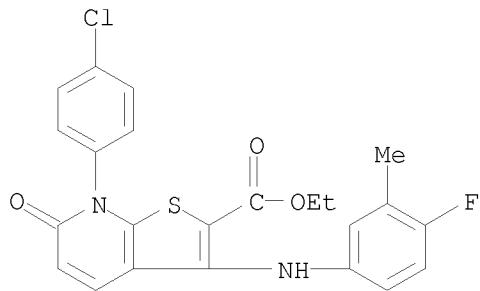
RN 639480-45-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



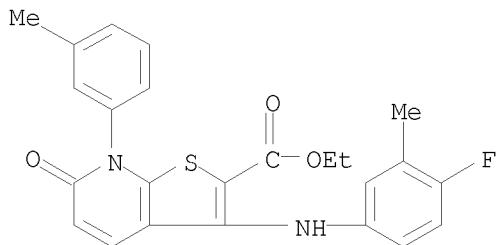
RN 639480-49-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



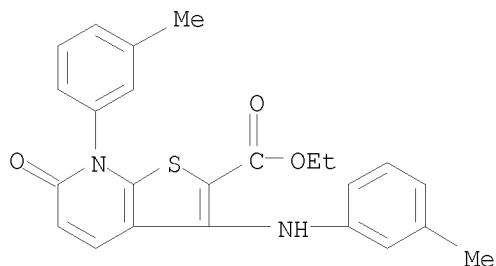
RN 639480-50-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(3-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



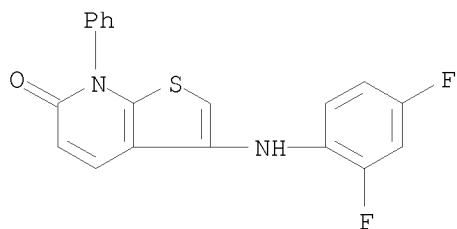
RN 639480-51-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-, ethyl ester (CA INDEX NAME)



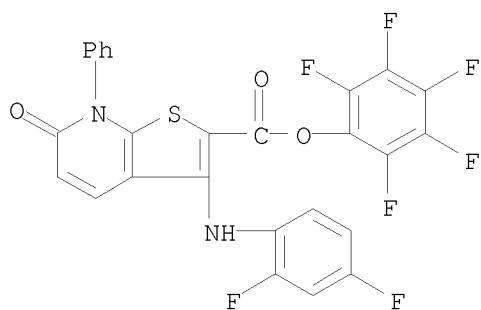
RN 639481-80-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-(CA INDEX NAME)



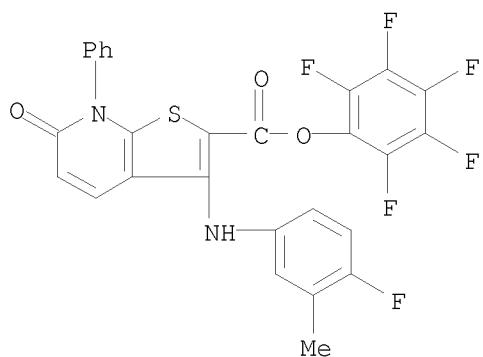
RN 639482-02-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



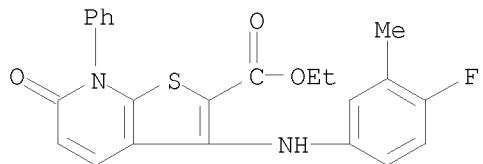
RN 639482-11-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



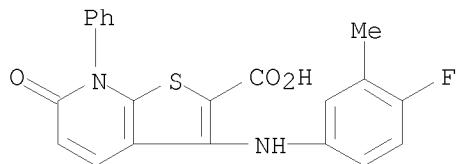
RN 639504-79-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 816424-65-4 CAPLUS

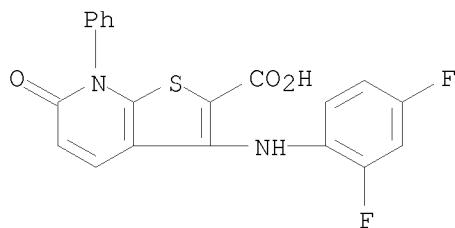
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt (1:1) (CA INDEX NAME)



● Li

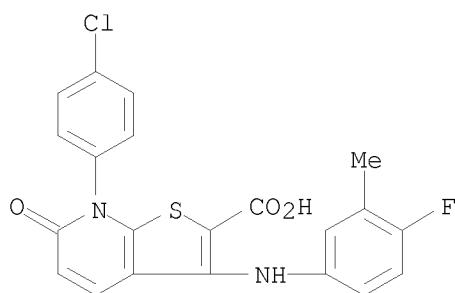
RN 816424-66-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt (1:1) (CA INDEX NAME)



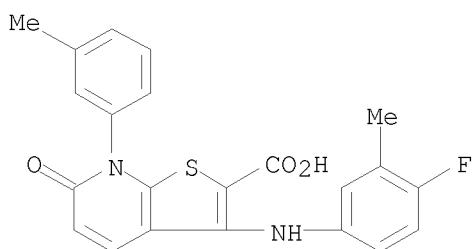
● Li

RN 816424-67-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-, sodium salt (1:1) (CA INDEX NAME)



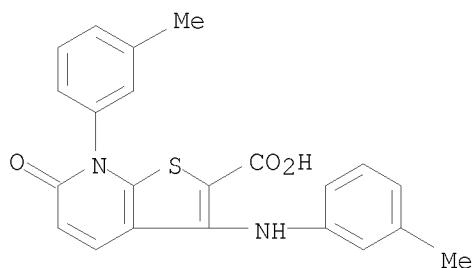
● Na

RN 816424-68-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(3-methylphenyl)-6-oxo-, sodium salt (1:1) (CA INDEX NAME)



● Na

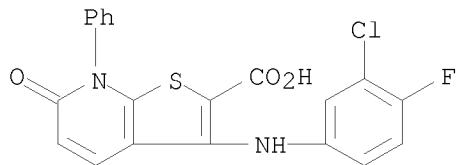
RN 816424-69-8 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-, sodium salt (1:1) (CA INDEX NAME)



● Na

RN 816424-70-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, sodium salt (1:1) (CA INDEX NAME)

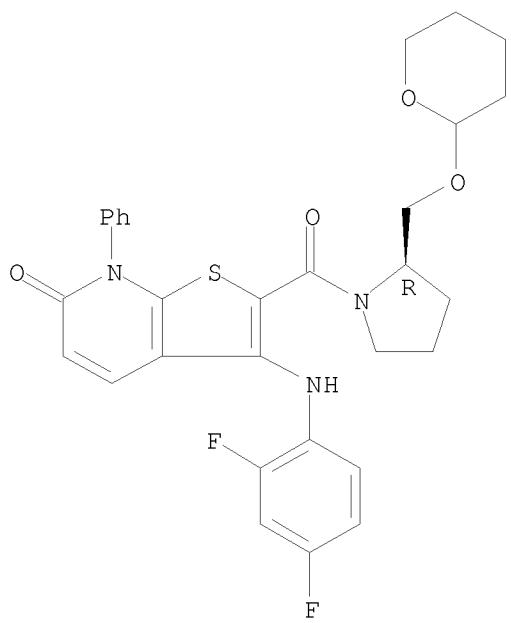


● Na

RN 816424-79-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-2-[[[(2R)-2-[[tetrahydro-2H-pyran-2-yl]oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

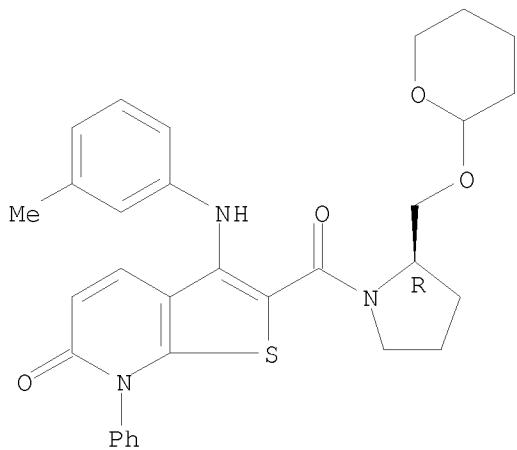
Absolute stereochemistry.



RN 816424-80-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-methylphenyl)amino]-7-phenyl-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]-(CA INDEX NAME)

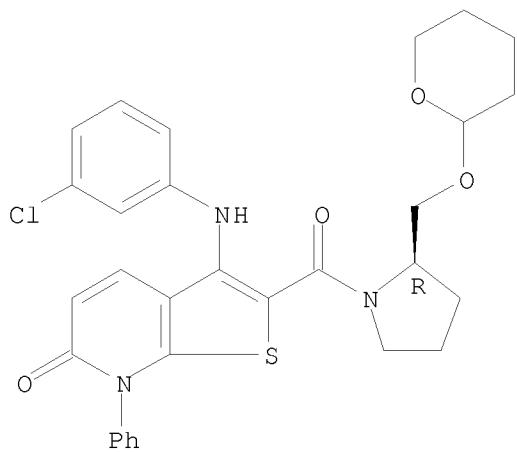
Absolute stereochemistry.



RN 816424-81-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-7-phenyl-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]-(CA INDEX NAME)

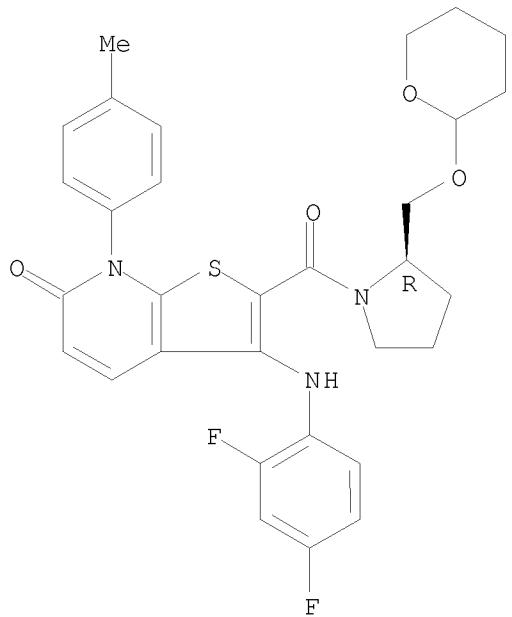
Absolute stereochemistry.



RN 816424-82-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-methylphenyl)-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl carbonyl]-(CA INDEX NAME)

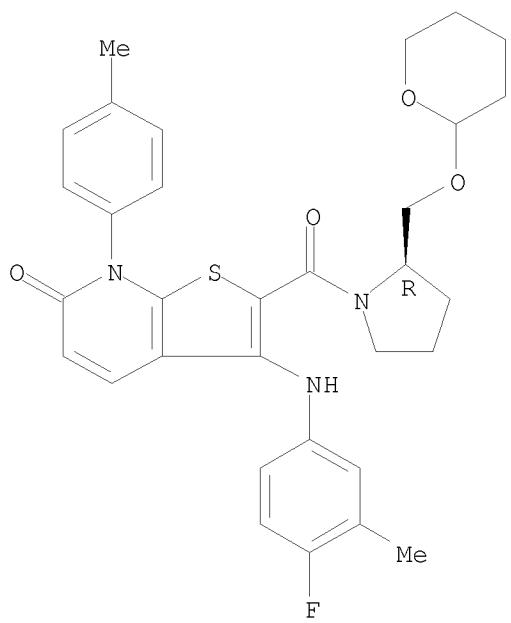
Absolute stereochemistry.



RN 816424-83-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-methylphenyl)-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl carbonyl]-(CA INDEX NAME)

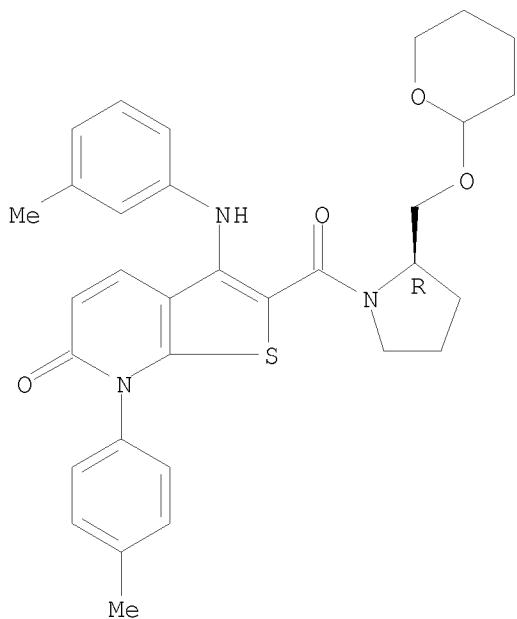
Absolute stereochemistry.



RN 816424-84-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(4-methylphenyl)-3-[(3-methylphenyl)amino]-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl carbonyl] - (CA INDEX NAME)

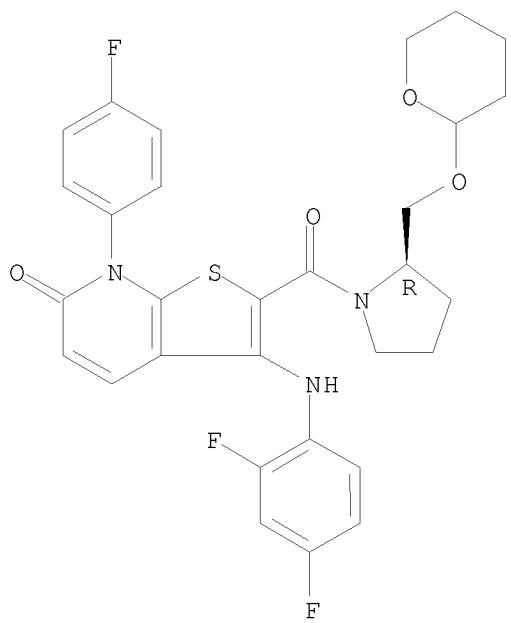
Absolute stereochemistry.



RN 816424-85-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl carbonyl] - (CA INDEX NAME)

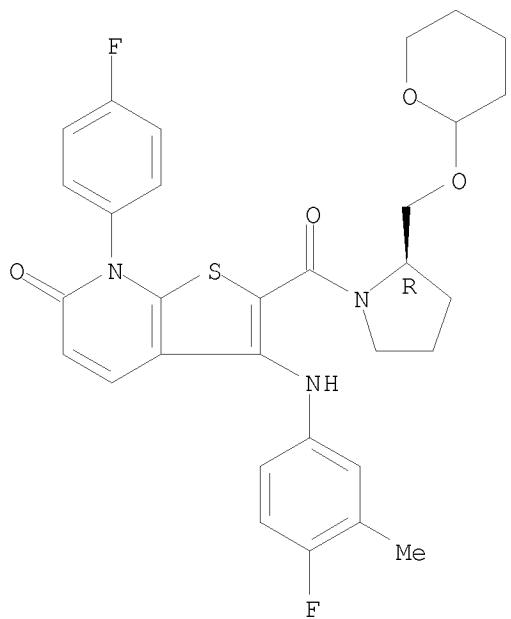
Absolute stereochemistry.



RN 816424-86-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl carbonyl] - (CA INDEX NAME)

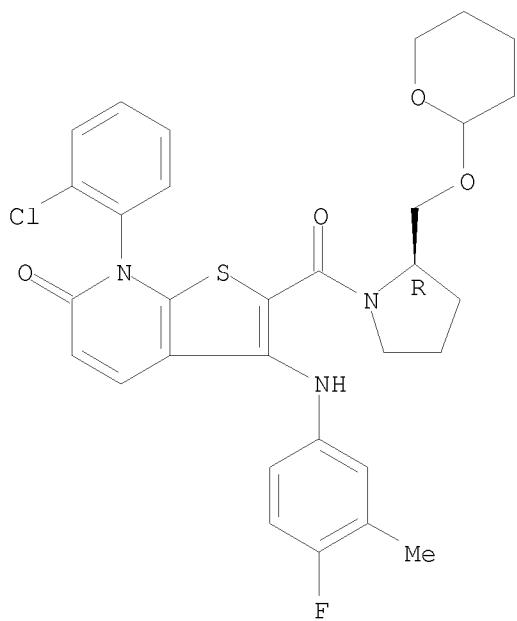
Absolute stereochemistry.



RN 816424-90-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl carbonyl] - (CA INDEX NAME)

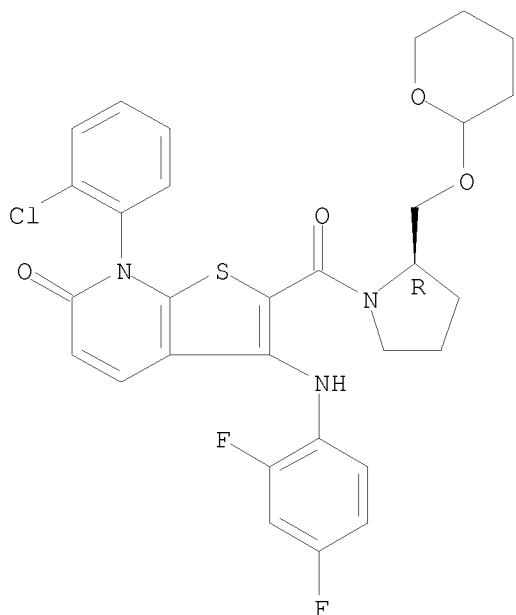
Absolute stereochemistry.



RN 816424-91-6 CAPLUS

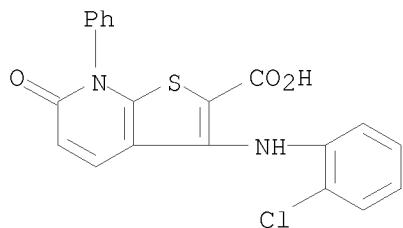
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



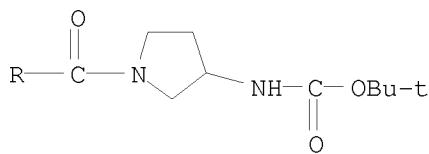
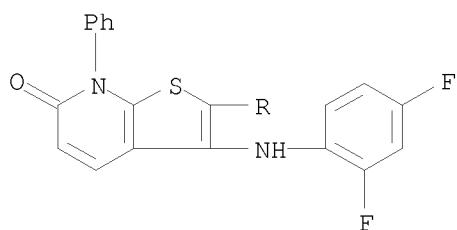
RN 816424-93-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, sodium salt (1:1) (CA INDEX NAME)



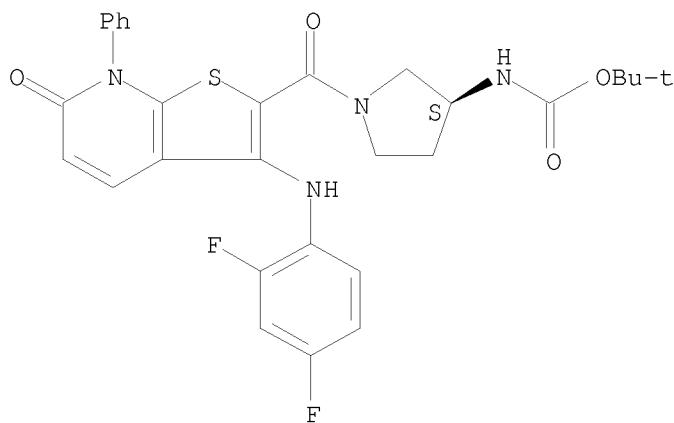
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RN 816424-94-9 CAPLUS  
 CN Carbamic acid, [1-[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



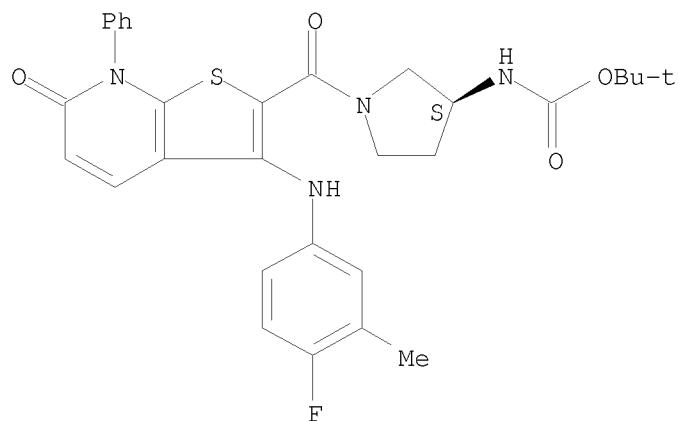
RN 816424-95-0 CAPLUS  
 CN Carbamic acid, [(3S)-1-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

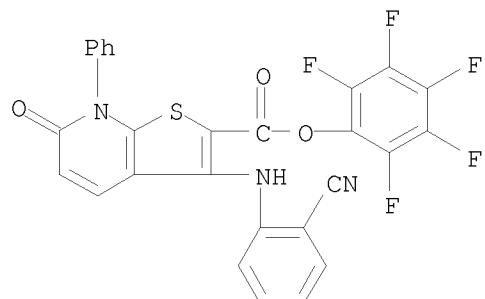


RN 816424-96-1 CAPLUS  
CN Carbamic acid, [(3S)-1-[[3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

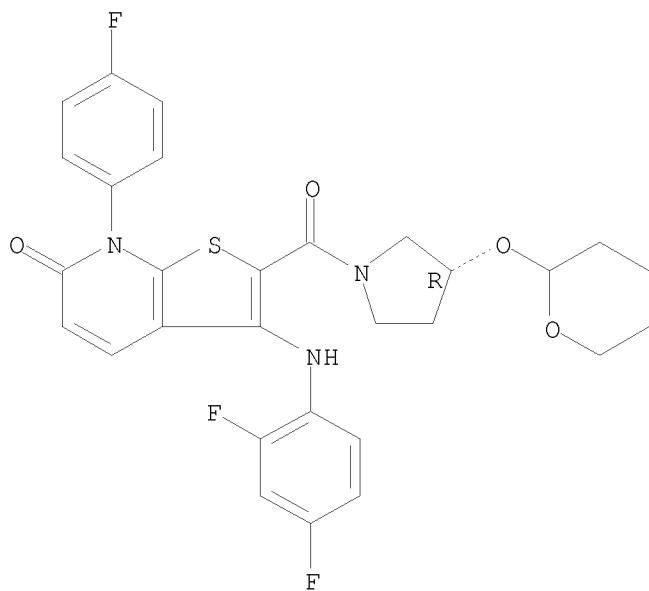


RN 816424-97-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



RN 816425-03-3 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

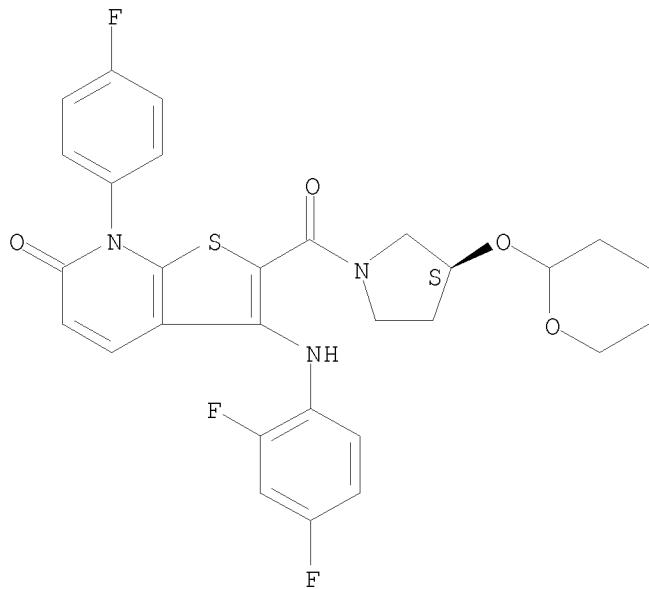
Absolute stereochemistry.



RN 816425-04-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

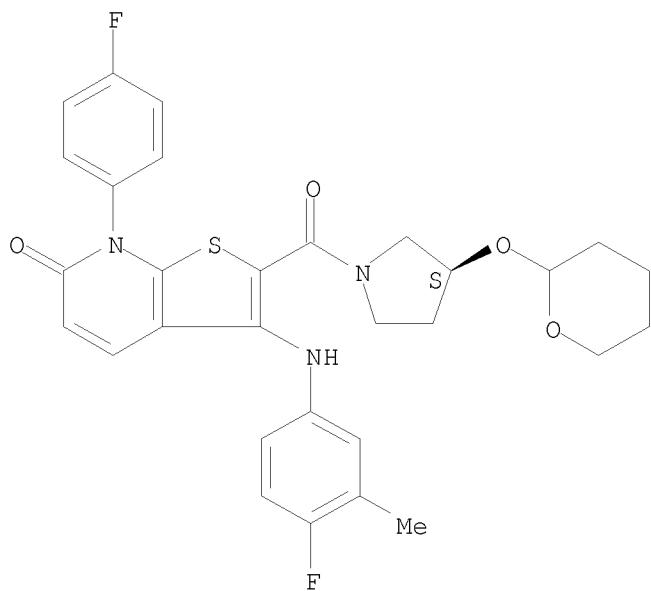
Absolute stereochemistry.



RN 816425-05-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-2-[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

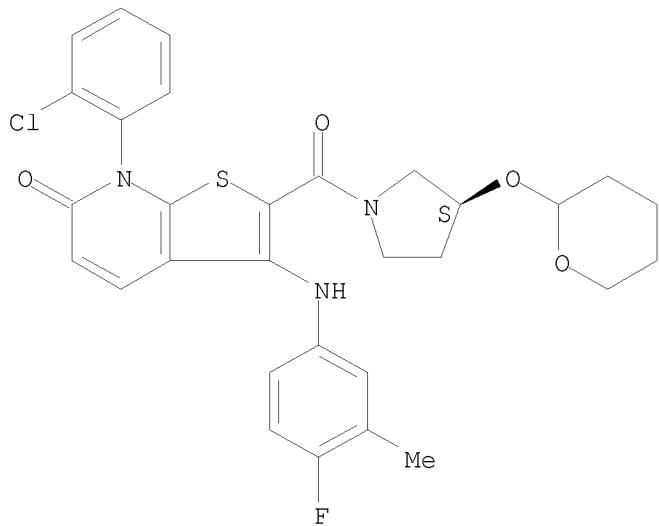
Absolute stereochemistry.



RN 816425-07-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

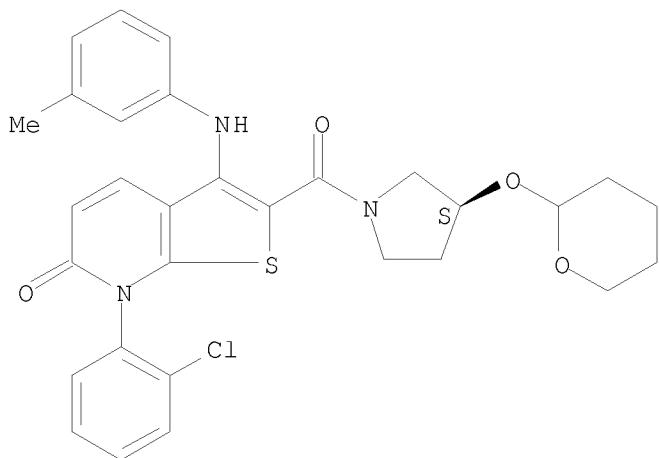
Absolute stereochemistry.



RN 816425-08-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(3-methylphenyl)amino]-2-[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

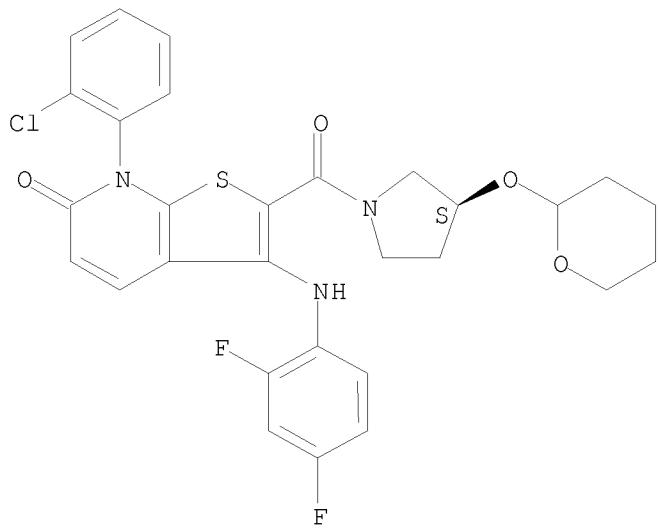
Absolute stereochemistry.



RN 816425-09-9 CAPLUS

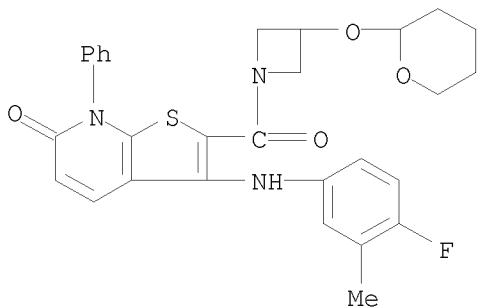
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

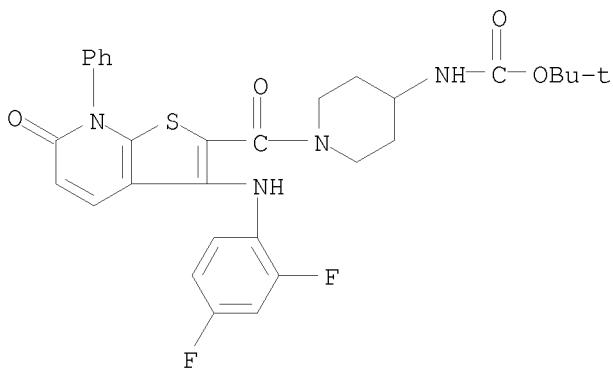


RN 816425-15-7 CAPLUS

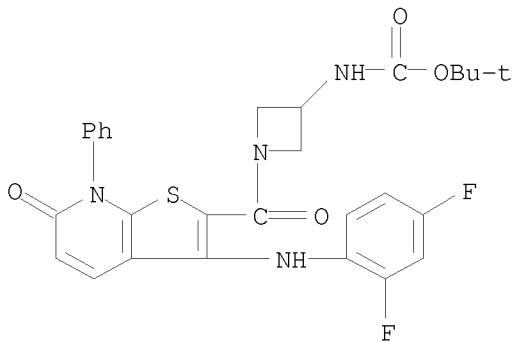
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl-2-[(3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-azetidinyl)carbonyl]- (CA INDEX NAME)



RN 816425-16-8 CAPLUS  
 CN Carbamic acid, [1-[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-4-piperidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

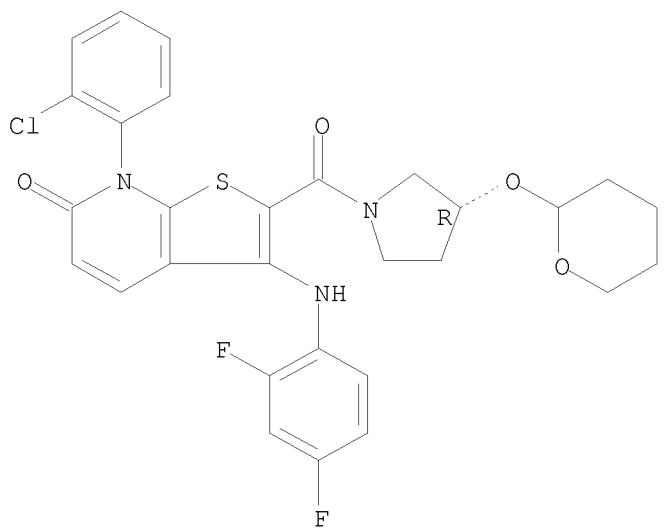


RN 816425-17-9 CAPLUS  
 CN Carbamic acid, [1-[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-azetidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 816425-20-4 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

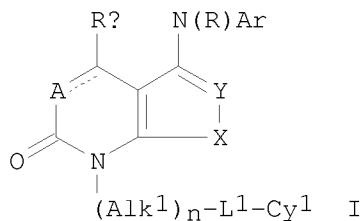
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THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2004:2888 CAPLUS  
 DOCUMENT NUMBER: 140:59658  
 TITLE: Preparation of arylamine substituted bicyclic hetero-aromatic compounds as p38 kinase inhibitors  
 INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin;  
 Langham, Barry John  
 PATENT ASSIGNEE(S): Celltech R & D Limited, UK  
 SOURCE: PCT Int. Appl., 174 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000846	A1	20031231	WO 2003-GB2667	20030620
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2487718	A1	20031231	CA 2003-2487718	20030620
AU 2003253087	A1	20040106	AU 2003-253087	20030620
BR 2003011842	A	20050315	BR 2003-11842	20030620
EP 1551848	A1	20050713	EP 2003-760802	20030620
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1671715	A	20050921	CN 2003-818371	20030620
JP 2005530838	T	20051013	JP 2004-515043	20030620
NZ 537740	A	20060331	NZ 2003-537740	20030620
MX 2004PA12746	A	20050323	MX 2004-PA12746	20041215
NO 2005000306	A	20050316	NO 2005-306	20050119
ZA 2005000524	A	20060830	ZA 2005-524	20050119
US 20060004025	A1	20060105	US 2005-518725	20050526
PRIORITY APPLN. INFO.:			GB 2002-14268	A 20020620
			WO 2003-GB2667	W 20030620

OTHER SOURCE(S): MARPAT 140:59658  
 GI



AB Bicyclic heteroarom. derivs. I; where the dashed line joining A and C(Ra) is present and represents a bond and A is a -N= atom or a -C(Rb)= group, or the dashed line is absent and A is a -N(Rb)-, or -C(Rb)(Rc)- group; X is an -O-, -S- or substituted nitrogen atom or a -S(O)-, -S(O<sub>2</sub>)- or -NH-

group; Y is a nitrogen or substituted carbon atom or a -CH = group; n is zero or the integer 1; Alk1 is an optionally substituted aliphatic or hetero-aliphatic chain L1 is a covalent bond or a linker atom or group; Cy1 is a hydrogen atom or an optionally substituted cyclo-aliphatic, poly-cyclo-aliphatic, hetero-cyclo-aliphatic, poly-hetero-cyclo-aliphatic, aromatic or hetero-aromatic group; Ar is an optionally substituted aromatic or heteroarom. group; and the remaining substituents are defined in the specification. The compds. are potent and selective inhibitors of p38 kinase and are of use in the prophylaxis and treatment of immune or inflammatory disorders. Thus, 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-N-pyrrolidin-3-yl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide was prepared as a p38 kinase inhibitor. In the p38 inhibitor assays described above compds. of the invention have IC<sub>50</sub> values of around 1 μM and below. The compds. of the invention are clearly potent inhibitors of p38 kinase, especially p38α kinase.

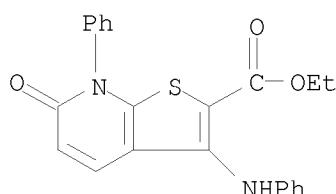
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RL: IMF (Industrial manufacture); PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

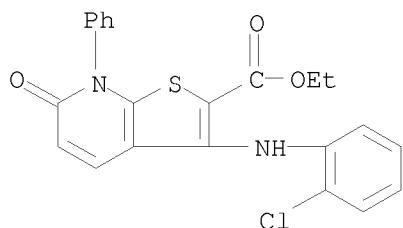
(preparation of arylamine substituted bicyclic hetero-aromatic compds. as

p38  
 RN 639479-13-3 CAPLUS  
 kinase inhibitors)

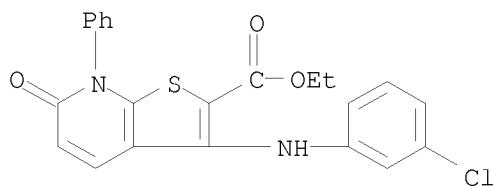
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



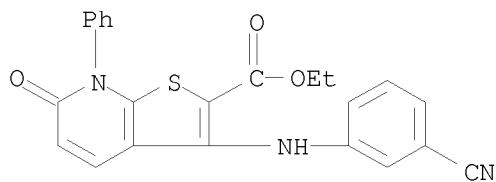
RN 639479-14-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



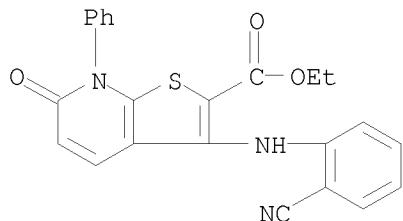
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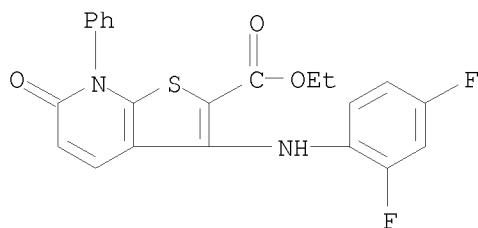
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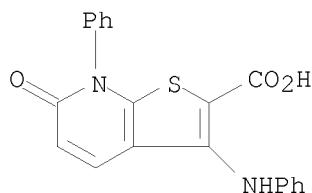
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CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 639479-24-6 CAPLUS  
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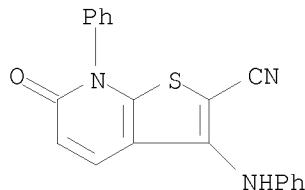


RN 639479-26-8 CAPLUS  
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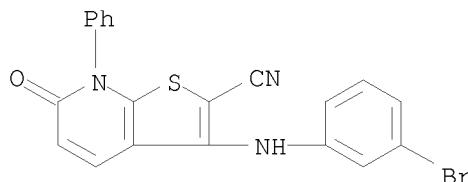


● NH<sub>3</sub>

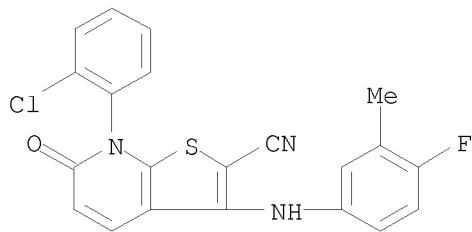
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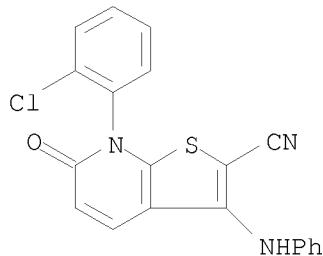
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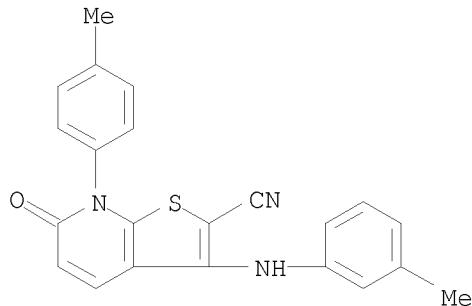
RN 639479-36-0 CAPLUS  
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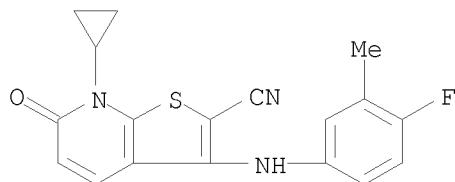
RN 639479-38-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile, 7-(2-chlorophenyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



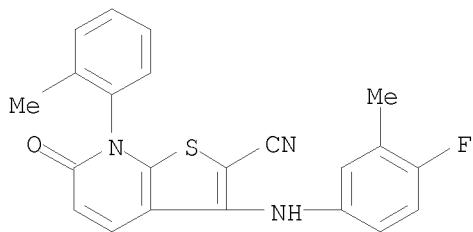
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CN Thieno[2,3-b]pyridine-2-carbonitrile, 6,7-dihydro-7-(4-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



RN 639479-43-9 CAPLUS  
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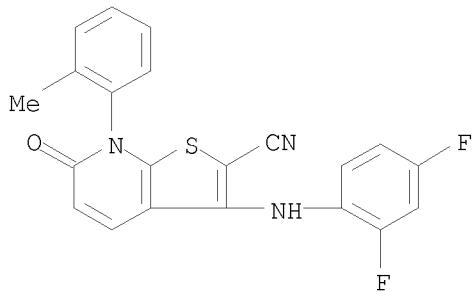


RN 639479-47-3 CAPLUS  
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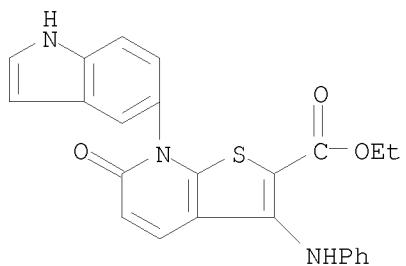
RN 639479-48-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-methylphenyl)-6-oxo- (CA INDEX NAME)



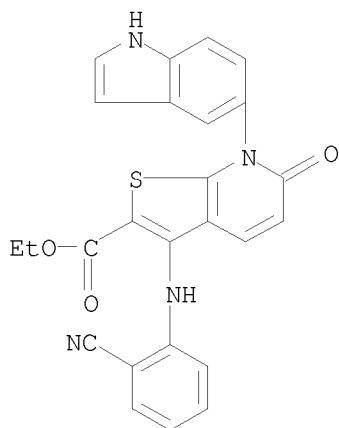
RN 639479-52-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)

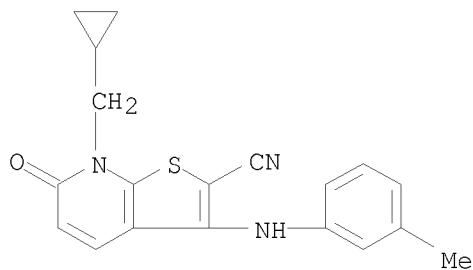


RN 639479-54-2 CAPLUS

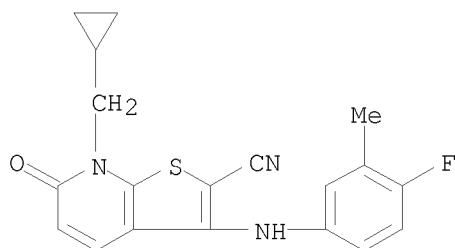
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-, ethyl ester (CA INDEX NAME)



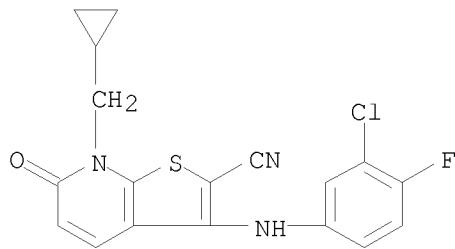
RN 639479-64-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile, 7-(cyclopropylmethyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



RN 639479-65-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile, 7-(cyclopropylmethyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)

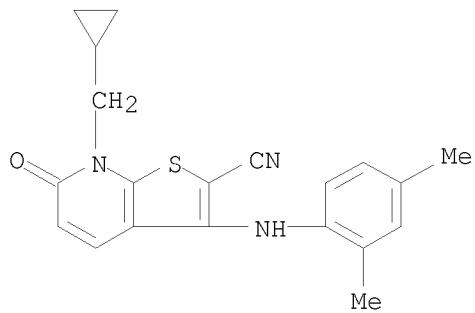


RN 639479-66-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-[(3-chloro-4-fluorophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



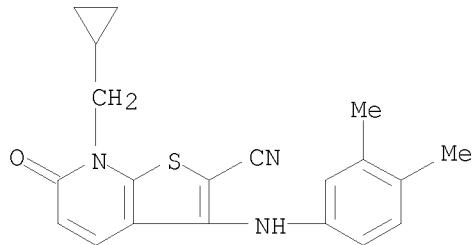
RN 639479-67-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 7-(cyclopropylmethyl)-3-[(2,4-dimethylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



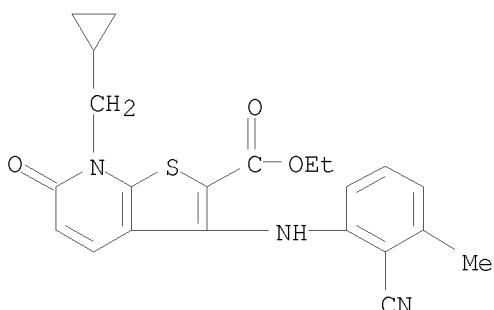
RN 639479-68-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 7-(cyclopropylmethyl)-3-[(3,4-dimethylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



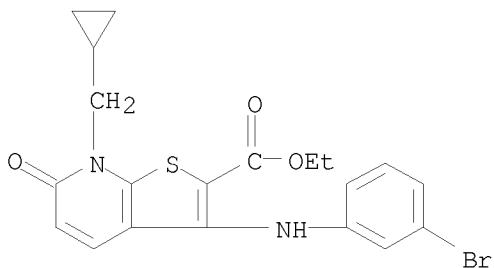
RN 639479-74-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyano-3-methylphenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



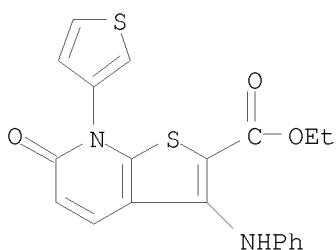
RN 639479-78-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-bromophenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



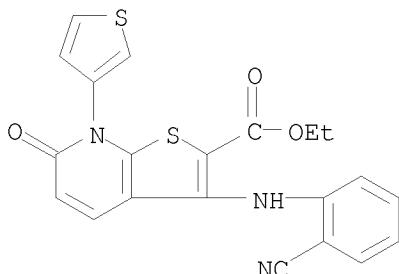
RN 639479-80-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-thienyl)-, ethyl ester (CA INDEX NAME)

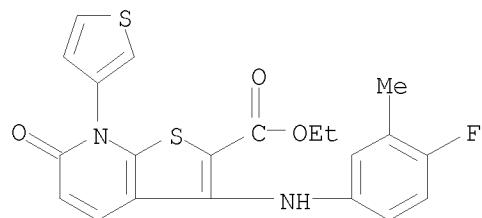


RN 639479-82-6 CAPLUS

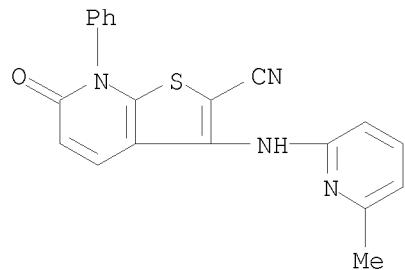
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)-, ethyl ester (CA INDEX NAME)



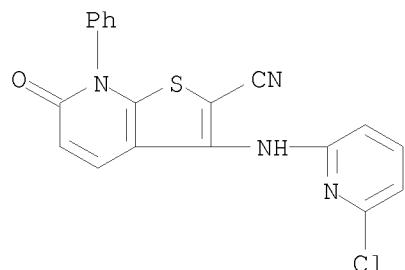
RN 639479-84-8 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)-, ethyl ester (CA INDEX NAME)



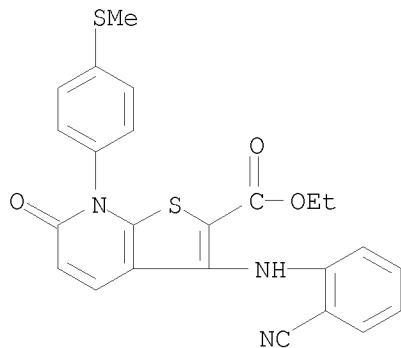
RN 639479-89-3 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile, 6,7-dihydro-3-[(6-methyl-2-pyridinyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639479-91-7 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-[(6-chloro-2-pyridinyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)

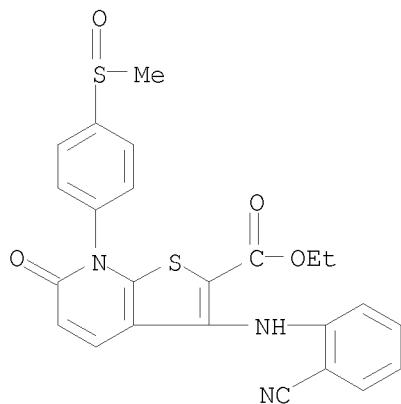


RN 639479-93-9 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[4-(methylthio)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



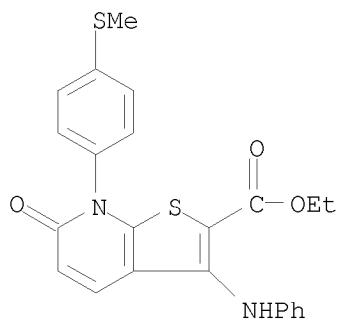
RN 639479-94-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[4-(methylsulfinyl)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



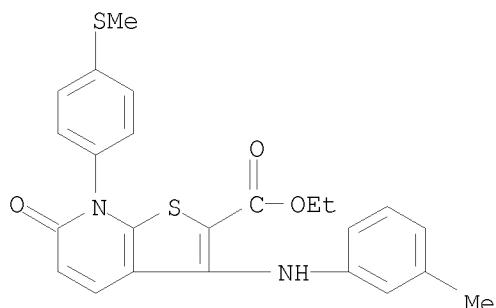
RN 639479-96-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-(methylthio)phenyl]-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



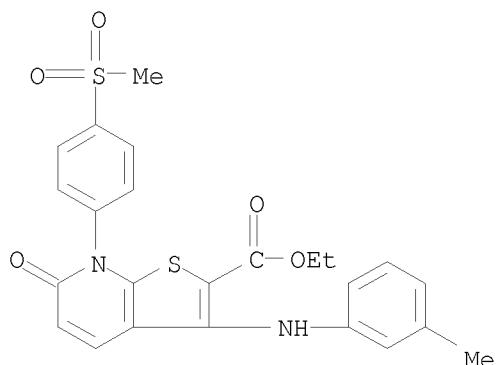
RN 639479-98-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(3-methylphenyl)amino]-7-[4-(methylthio)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



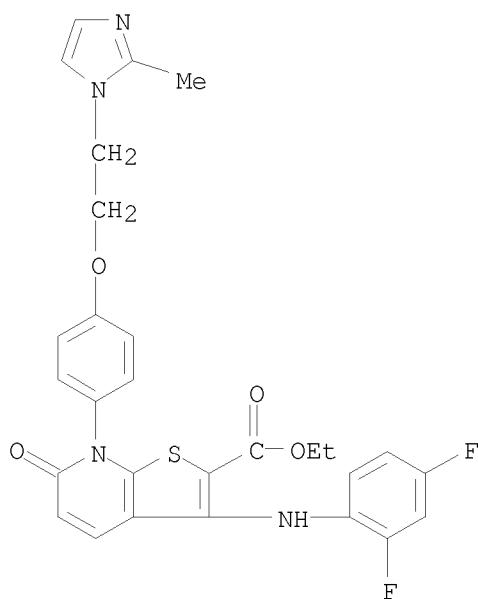
RN 639479-99-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(3-methylphenyl)amino]-7-[4-(methylsulfonyl)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



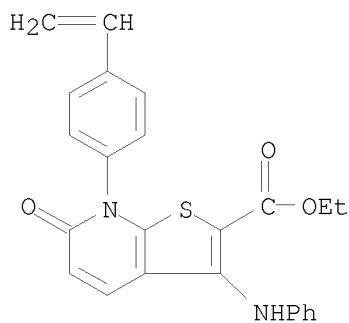
RN 639480-02-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



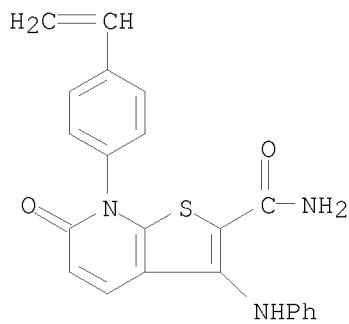
RN 639480-05-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



RN 639480-06-1 CAPLUS

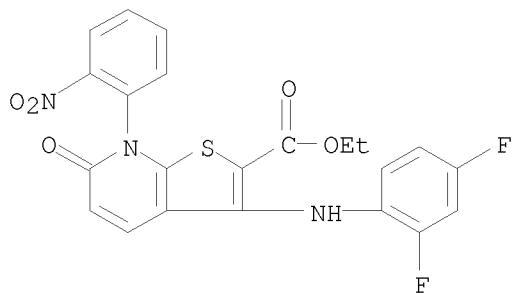
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



RN 639480-10-7 CAPLUS

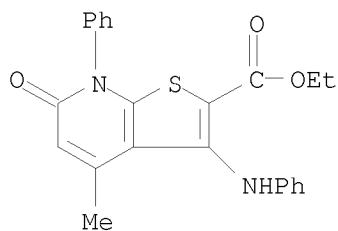
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-

dihydro-7-(2-nitrophenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



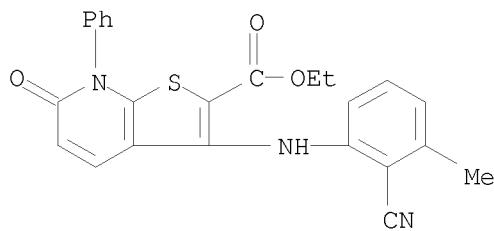
RN 639480-12-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-4-methyl-6-oxo-7-phenyl-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



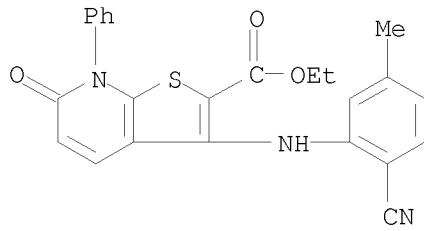
RN 639480-41-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyano-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 639480-42-5 CAPLUS

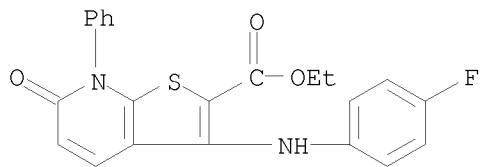
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyano-5-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 639480-43-6 CAPLUS

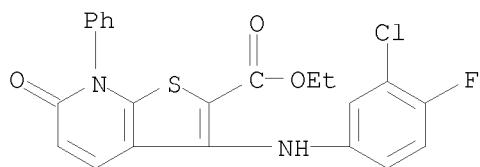
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluorophenyl)amino]-6,7-

dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



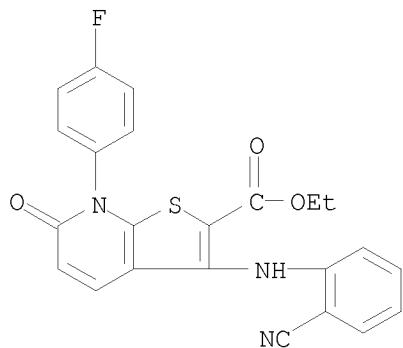
RN 639480-45-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



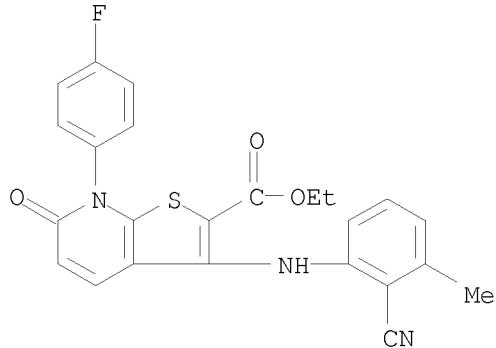
RN 639480-46-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)

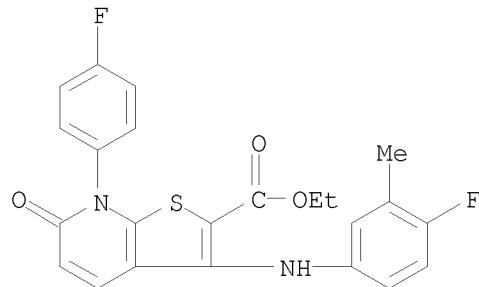


RN 639480-47-0 CAPLUS

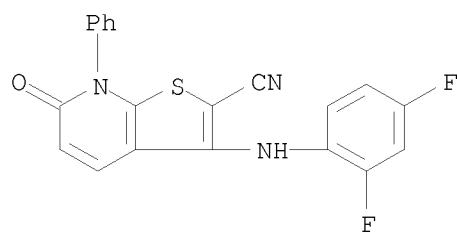
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyano-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



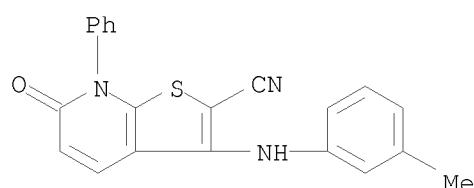
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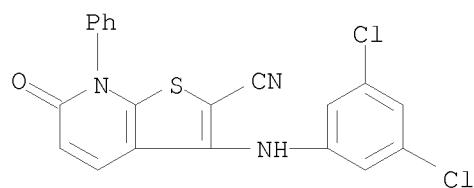
RN 639480-52-7 CAPLUS  
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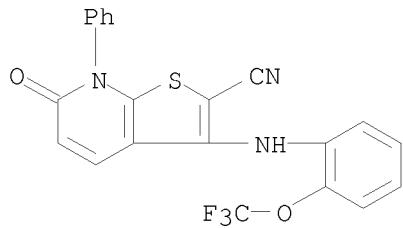
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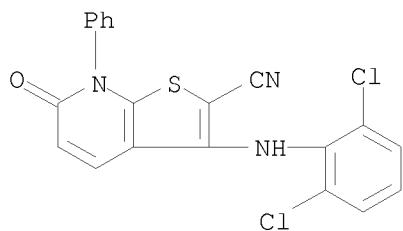
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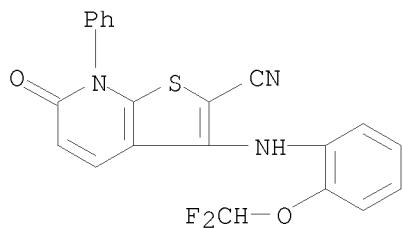
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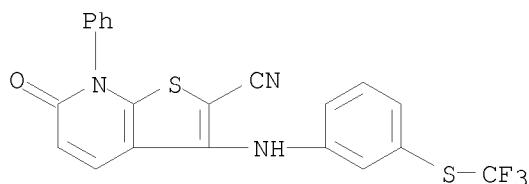
RN 639480-59-4 CAPLUS  
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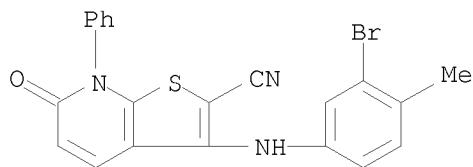
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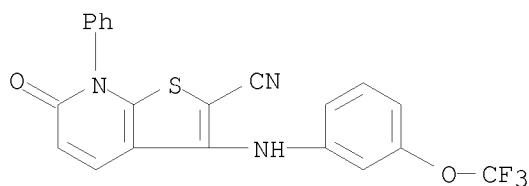
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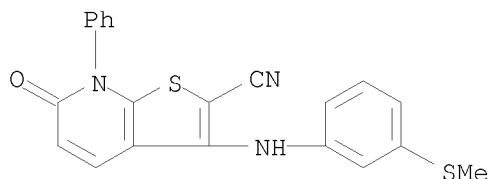
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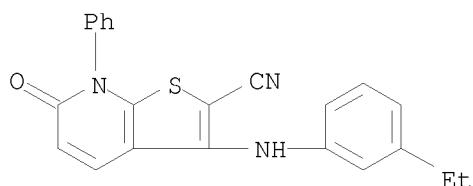
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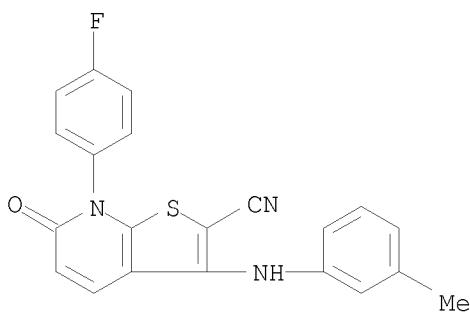
RN 639480-67-4 CAPLUS  
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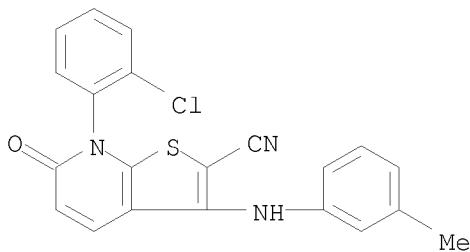
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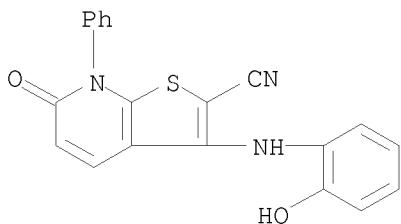
RN 639480-70-9 CAPLUS  
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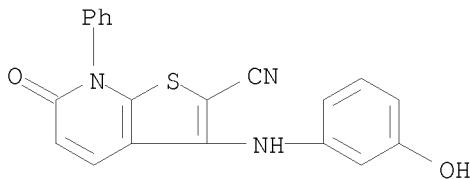
RN 639480-74-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile, 7-(2-chlorophenyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



RN 639480-75-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile, 6,7-dihydro-3-[(2-hydroxyphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639480-76-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile, 6,7-dihydro-3-[(3-hydroxyphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



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 639479-28-0P 639479-29-1P 639479-30-4P  
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639481-06-4P 639481-07-5P 639481-08-6P  
639481-09-7P 639481-10-0P 639481-11-1P  
639481-12-2P 639481-13-3P 639481-15-5P  
639481-16-6P 639481-17-7P 639481-18-8P  
639481-19-9P 639481-20-2P 639481-21-3P  
639481-22-4P 639481-23-5P 639481-24-6P  
639481-25-7P 639481-26-8P 639481-27-9P  
639504-80-6P

RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

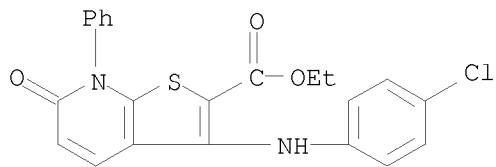
(preparation of arylamine substituted bicyclic hetero-aromatic compds. as

p38

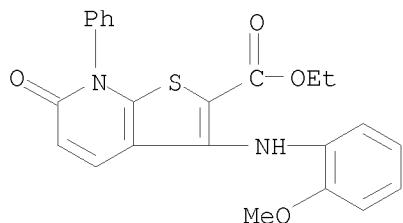
kinase inhibitors)

RN 639479-16-6 CAPLUS

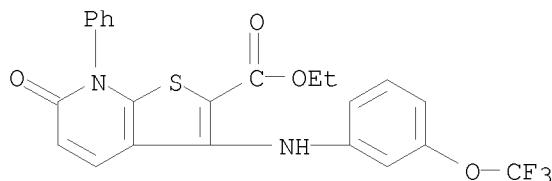
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



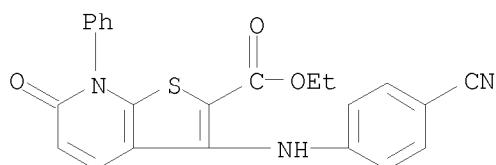
RN 639479-18-8 CAPLUS  
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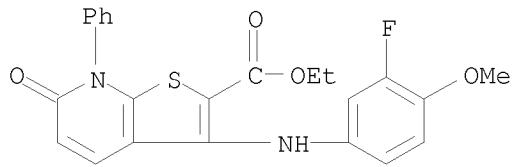
RN 639479-19-9 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[(3-trifluoromethoxy)phenyl]amino-, ethyl ester (CA INDEX NAME)



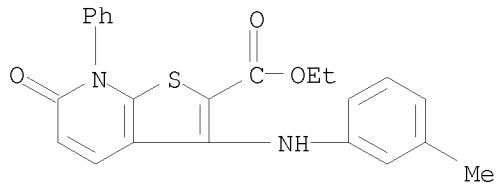
RN 639479-20-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



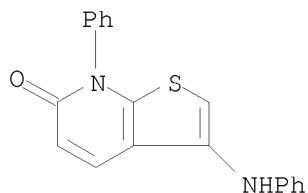
RN 639479-23-5 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-fluoro-4-methoxyphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



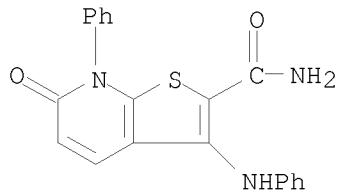
RN 639479-25-7 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



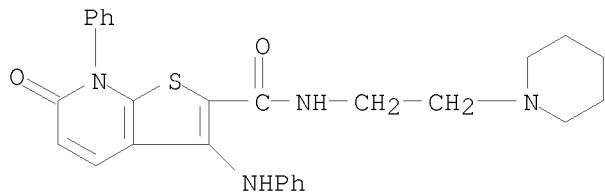
RN 639479-28-0 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)- (CA INDEX NAME)



RN 639479-29-1 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

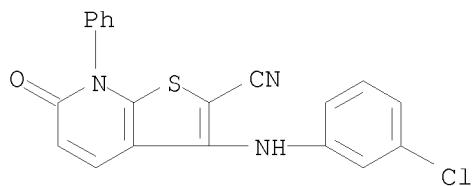


RN 639479-30-4 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-N-[2-(1-piperidinyl)ethyl]- (CA INDEX NAME)



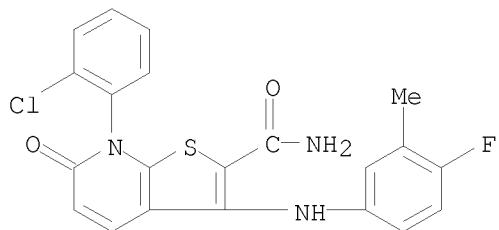
RN 639479-35-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



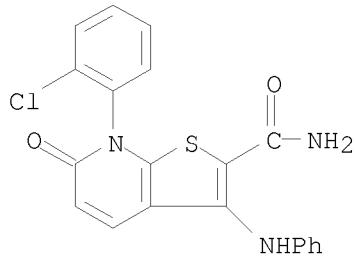
RN 639479-37-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



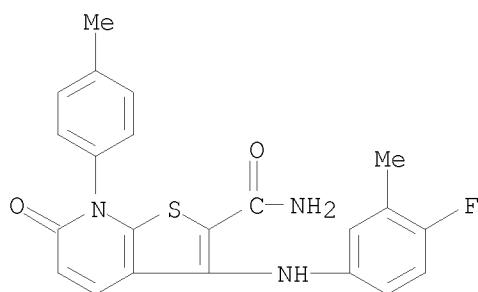
RN 639479-39-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(2-chlorophenyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)

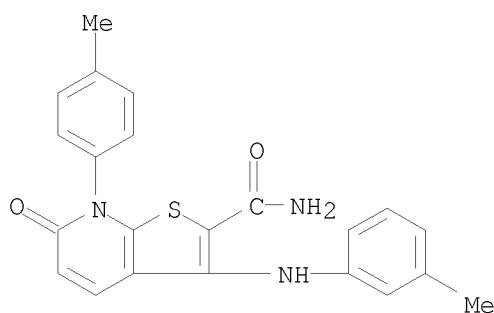


RN 639479-40-6 CAPLUS

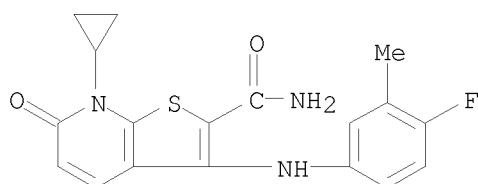
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(4-methylphenyl)-6-oxo- (CA INDEX NAME)



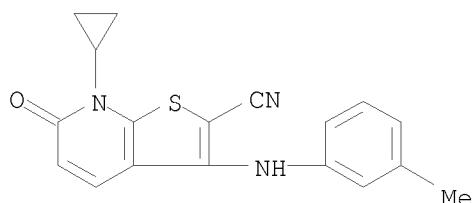
RN 639479-42-8 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-7-(4-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



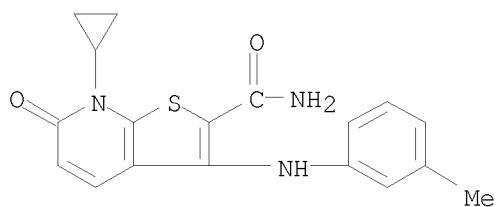
RN 639479-44-0 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-cyclopropyl-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 639479-45-1 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile, 7-cyclopropyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)

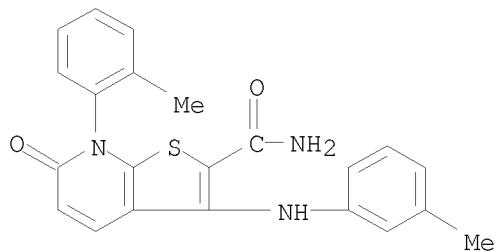


RN 639479-46-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-cyclopropyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



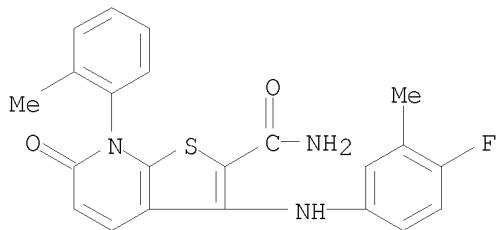
RN 639479-49-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-7-(2-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



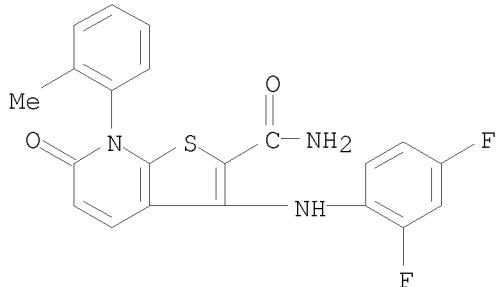
RN 639479-50-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(2-methylphenyl)-6-oxo- (CA INDEX NAME)



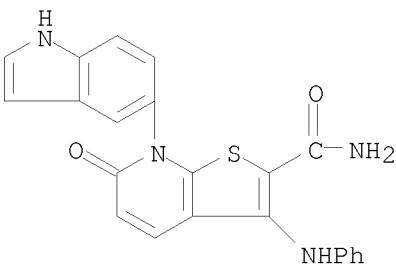
RN 639479-51-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-methylphenyl)-6-oxo- (CA INDEX NAME)



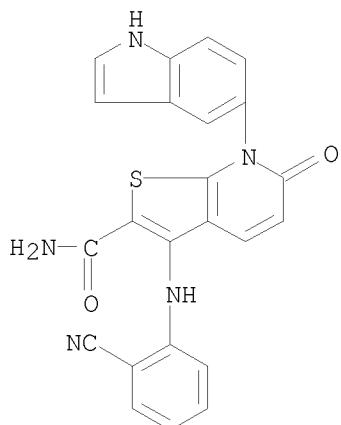
RN 639479-53-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-3-(phenylamino)- (CA INDEX NAME)



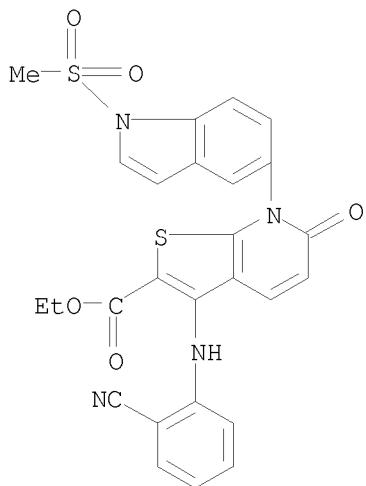
RN 639479-55-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-(1H-indol-5-yl)-6-oxo- (CA INDEX NAME)



RN 639479-56-4 CAPLUS

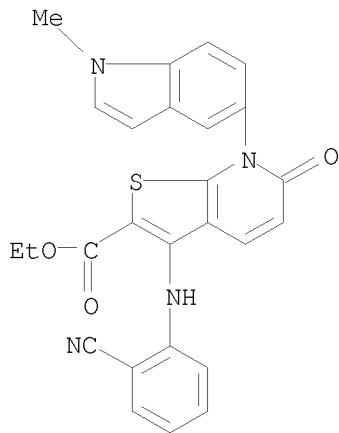
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[1-(methylsulfonyl)-1H-indol-5-yl]-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639479-57-5 CAPLUS

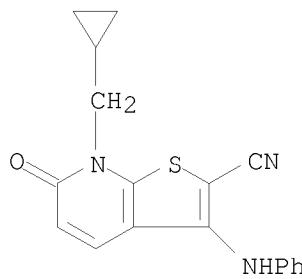
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-

dihydro-7-(1-methyl-1H-indol-5-yl)-6-oxo-, ethyl ester (CA INDEX NAME)



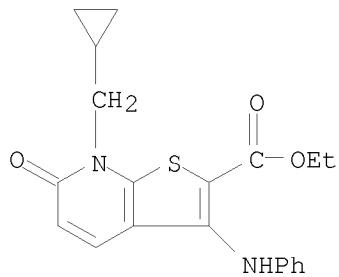
RN 639479-58-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



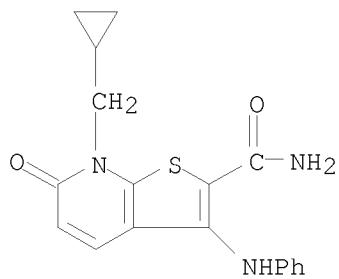
RN 639479-59-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)

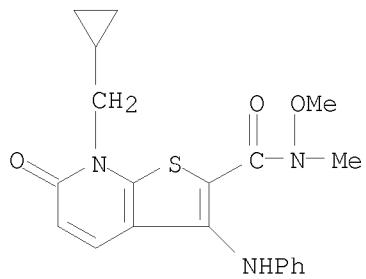


RN 639479-60-0 CAPLUS

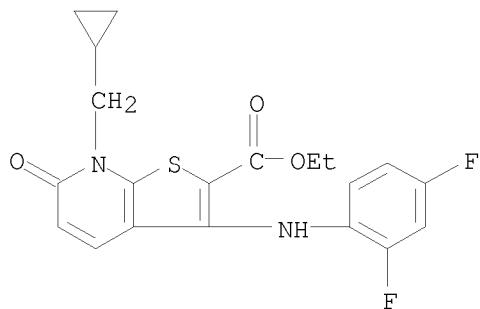
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



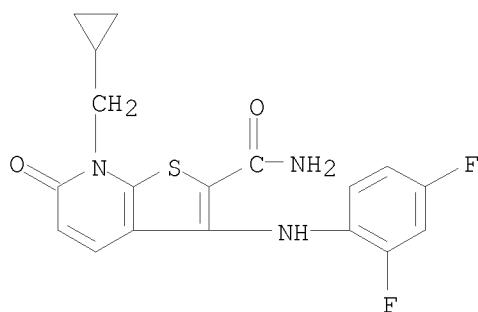
RN 639479-61-1 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-6,7-dihydro-N-methoxy-N-methyl-6-oxo-3-(phenylamino)- (CA INDEX NAME)



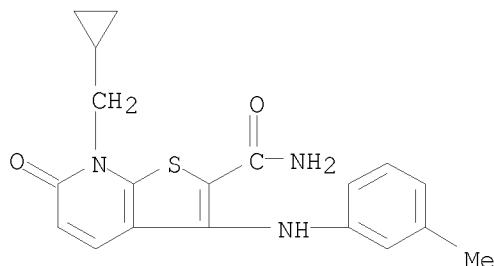
RN 639479-62-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



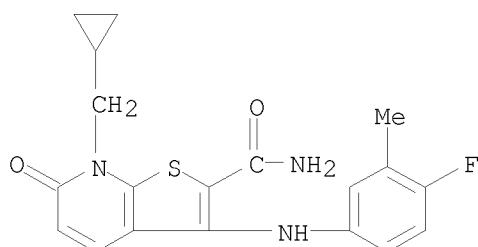
RN 639479-63-3 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



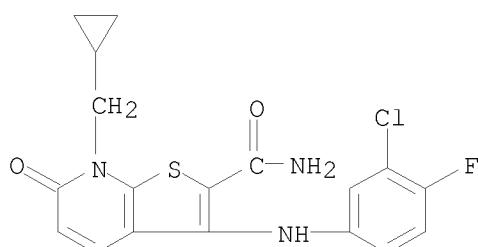
RN 639479-69-9 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



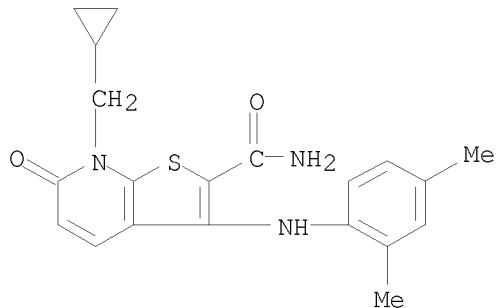
RN 639479-70-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



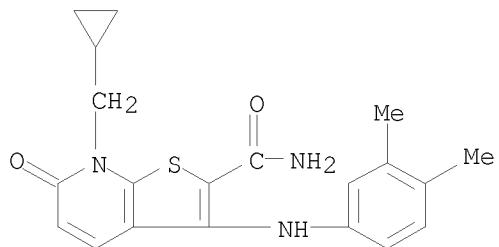
RN 639479-71-3 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-chloro-4-fluorophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



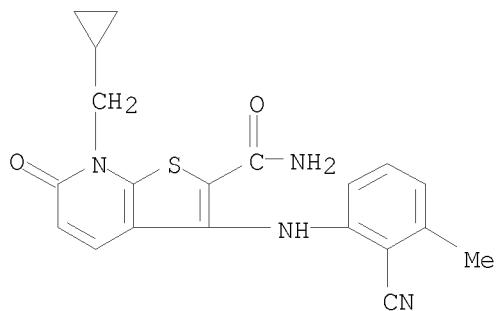
RN 639479-72-4 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-3-[(2,4-dimethylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



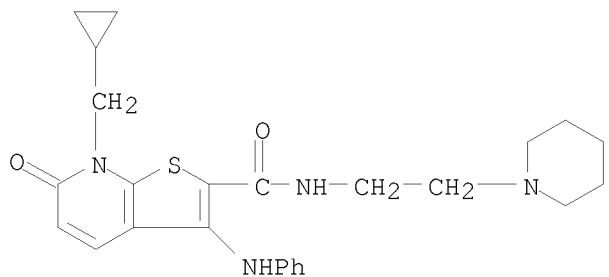
RN 639479-73-5 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-3-[(3,4-dimethylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



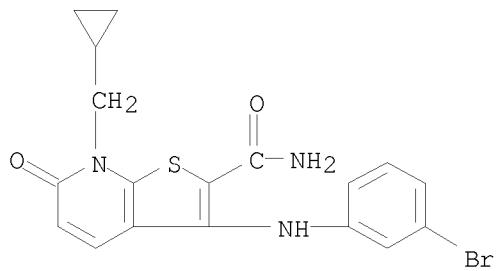
RN 639479-75-7 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyano-3-methylphenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



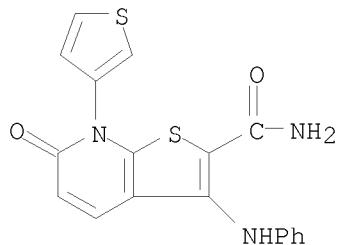
RN 639479-76-8 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-N-[2-(1-piperidinyl)ethyl]- (CA INDEX NAME)



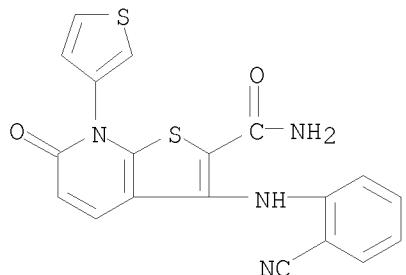
RN 639479-79-1 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[ (3-bromophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



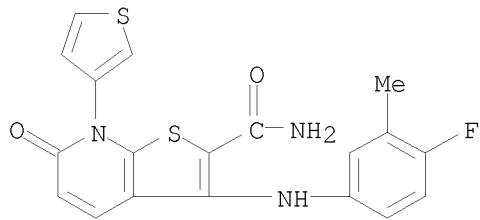
RN 639479-81-5 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-thienyl)- (CA INDEX NAME)



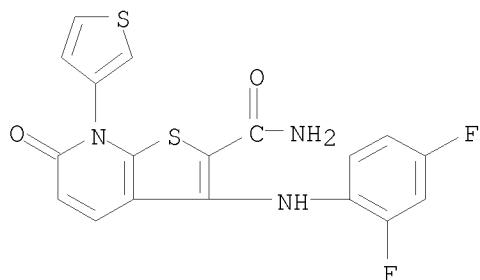
RN 639479-83-7 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[ (2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)- (CA INDEX NAME)



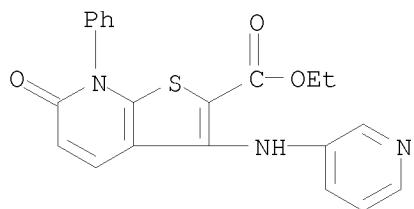
RN 639479-85-9 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)- (CA INDEX NAME)



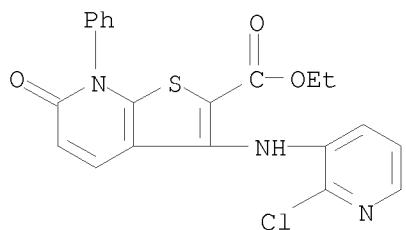
RN 639479-86-0 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)- (CA INDEX NAME)



RN 639479-87-1 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(3-pyridinylamino)-, ethyl ester (CA INDEX NAME)

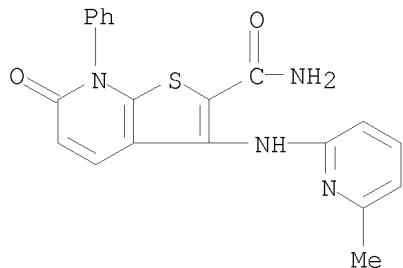


RN 639479-88-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-chloro-3-pyridinyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



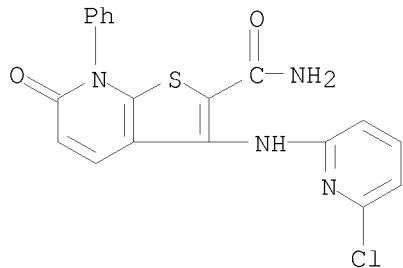
RN 639479-90-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[(6-methyl-2-pyridinyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



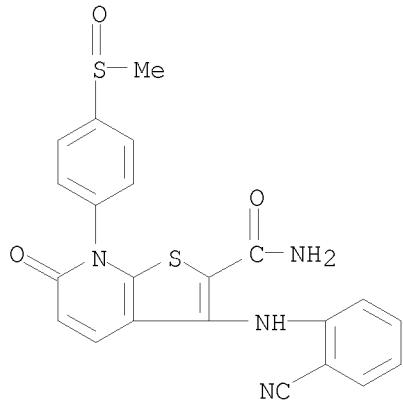
RN 639479-92-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(6-chloro-2-pyridinyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



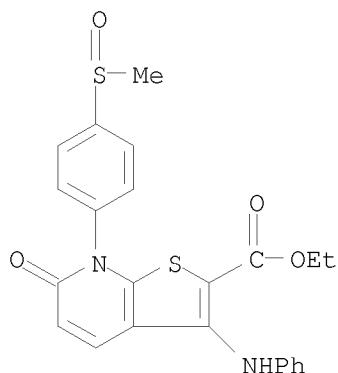
RN 639479-95-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[4-(methylsulfinyl)phenyl]-6-oxo- (CA INDEX NAME)

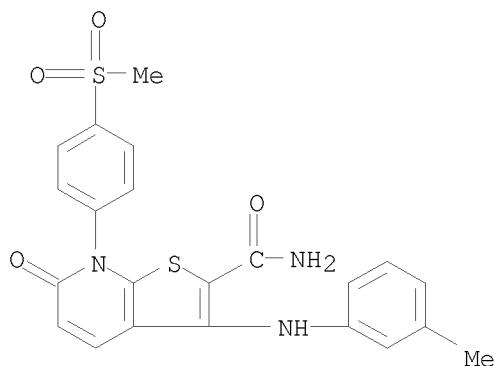


RN 639479-97-3 CAPLUS

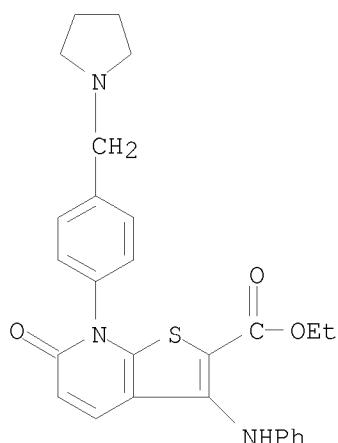
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-(methylsulfinyl)phenyl]-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



RN 639480-00-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[(3-methylphenyl)amino]-7-[4-(methylsulfonyl)phenyl]-6-oxo- (CA INDEX NAME)

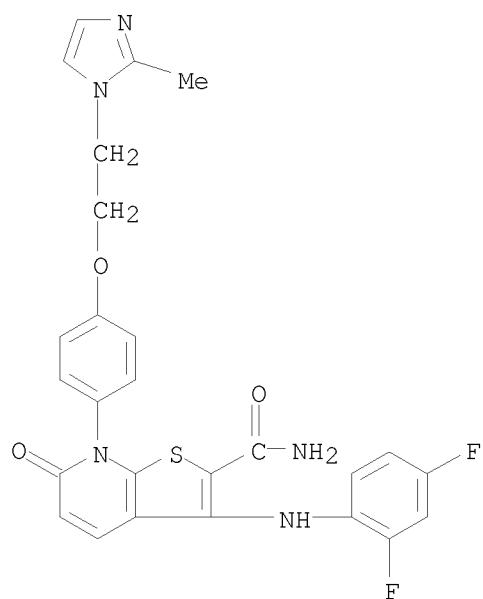


RN 639480-01-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-(phenylamino)-7-[4-(1-pyrrolidinylmethyl)phenyl]-, ethyl ester (CA INDEX NAME)



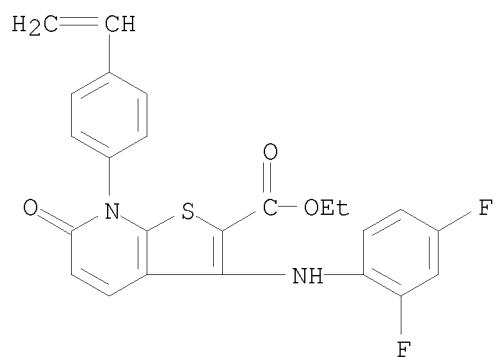
RN 639480-03-8 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo- (CA INDEX NAME)

INDEX NAME)



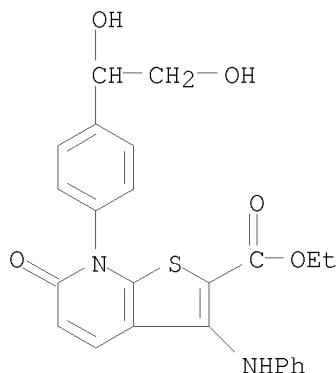
RN 639480-04-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



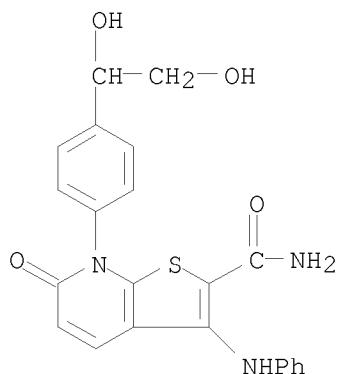
RN 639480-07-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(1,2-dihydroxyethyl)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



RN 639480-08-3 CAPLUS

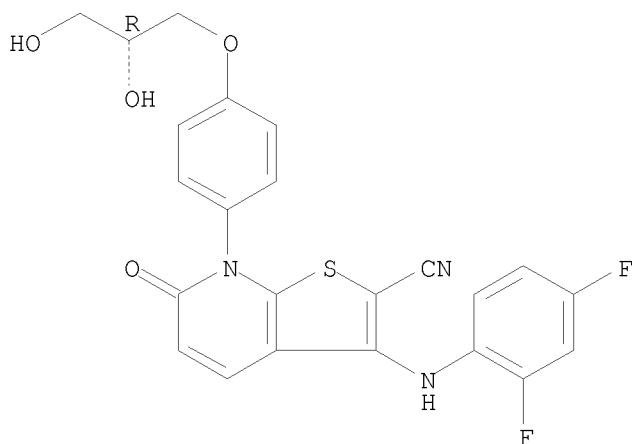
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-[4-(1,2-dihydroxyethyl)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



RN 639480-09-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-[(2,4-difluorophenyl)amino]-7-[4-[(2R)-2,3-dihydroxypropoxy]phenyl]-6,7-dihydro-6-oxo- (CA INDEX NAME)

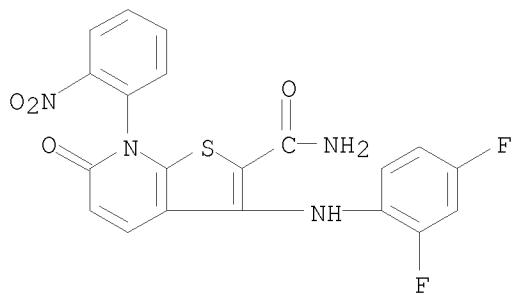
Absolute stereochemistry.



RN 639480-11-8 CAPLUS

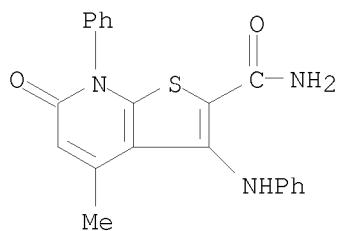
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-

dihydro-7-(2-nitrophenyl)-6-oxo- (CA INDEX NAME)



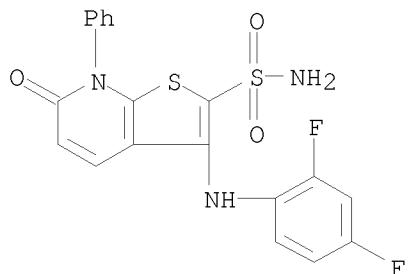
RN 639480-13-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-4-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



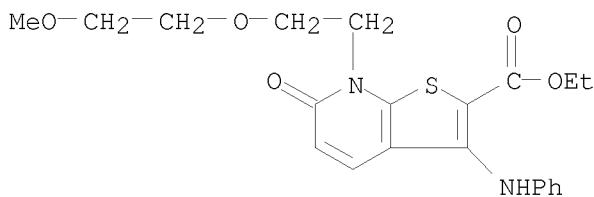
RN 639480-14-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-sulfonamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



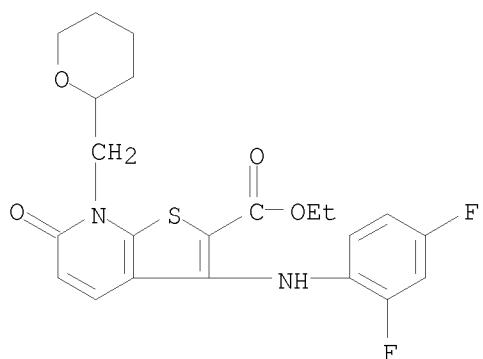
RN 639480-15-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[2-(2-methoxyethoxy)ethyl]-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



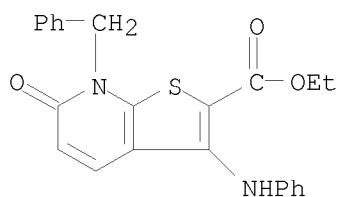
RN 639480-16-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-[(tetrahydro-2H-pyran-2-yl)methyl]-, ethyl ester (CA INDEX NAME)



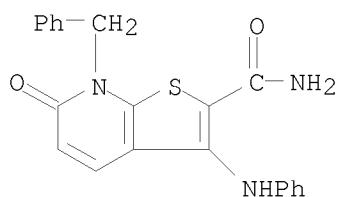
RN 639480-17-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(phenylmethyl)-, ethyl ester (CA INDEX NAME)



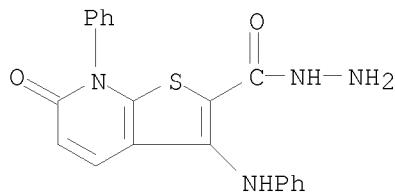
RN 639480-19-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(phenylmethyl)- (CA INDEX NAME)

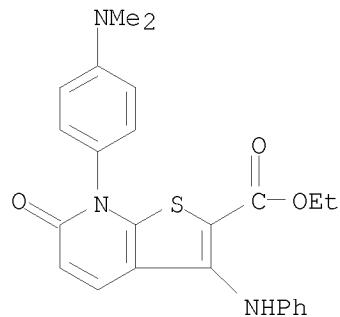


RN 639480-20-9 CAPLUS

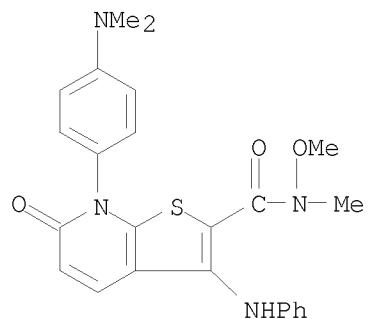
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, hydrazide (CA INDEX NAME)



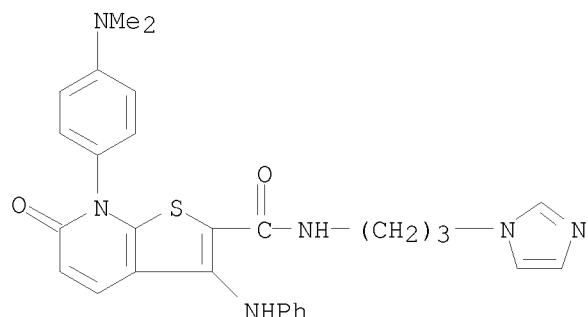
RN 639480-21-0 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



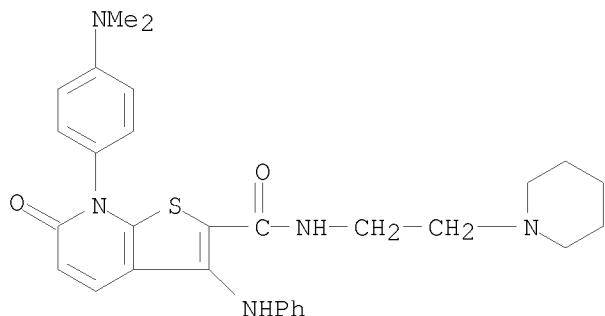
RN 639480-22-1 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-[4-(dimethylamino)phenyl]-6,7-dihydro-N-methoxy-N-methyl-6-oxo-3-(phenylamino)- (CA INDEX NAME)



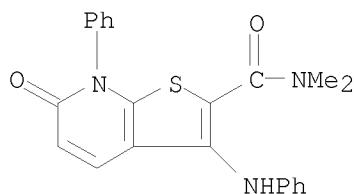
RN 639480-23-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-[4-(dimethylamino)phenyl]-6,7-dihydro-N-[3-(1H-imidazol-1-yl)propyl]-6-oxo-3-(phenylamino)- (CA INDEX NAME)



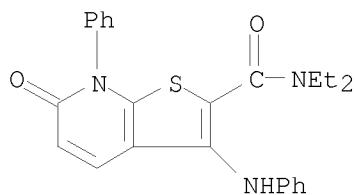
RN 639480-24-3 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-N-[2-(1-piperidinyl)ethyl]- (CA INDEX NAME)



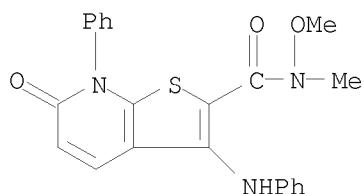
RN 639480-25-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N,N-dimethyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



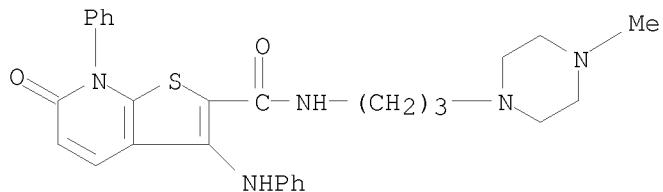
RN 639480-26-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, N,N-diethyl-6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



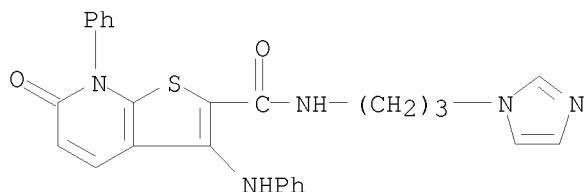
RN 639480-27-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-methoxy-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



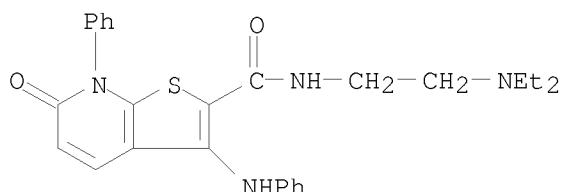
RN 639480-28-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[3-(4-methyl-1-piperazinyl)propyl]-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



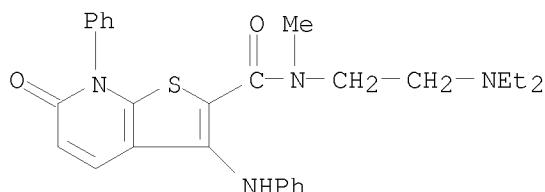
RN 639480-29-8 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[3-(1H-imidazol-1-yl)propyl]-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



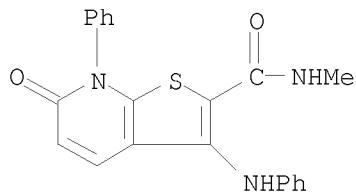
RN 639480-30-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, N-[2-(diethylamino)ethyl]-6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



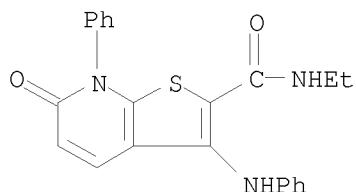
RN 639480-31-2 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, N-[2-(diethylamino)ethyl]-6,7-dihydro-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



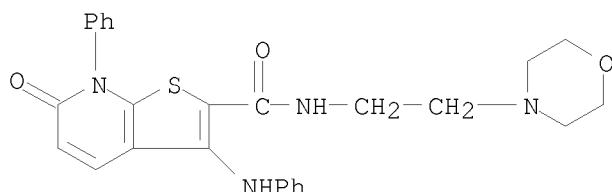
RN 639480-32-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



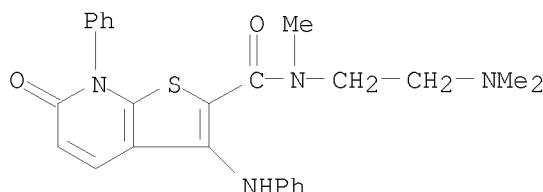
RN 639480-33-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, N-ethyl-6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



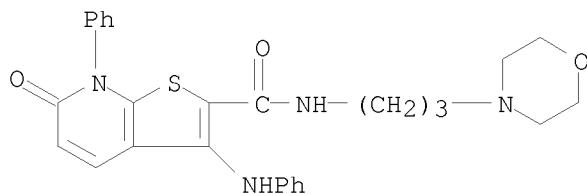
RN 639480-34-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[2-(4-morpholinyl)ethyl]-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



RN 639480-35-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, N-[2-(dimethylamino)ethyl]-6,7-dihydro-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

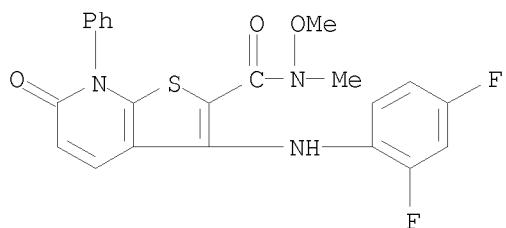


RN 639480-36-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[3-(4-morpholinyl)propyl]-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



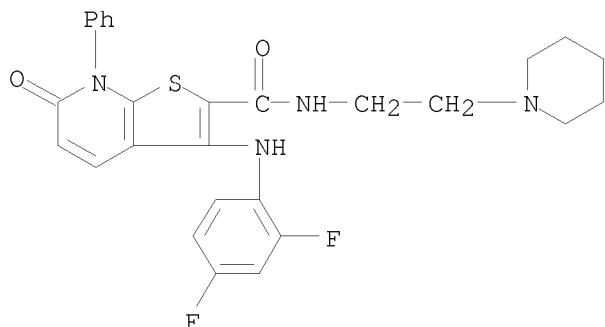
RN 639480-37-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-methoxy-N-methyl-6-oxo-7-phenyl- (CA INDEX NAME)



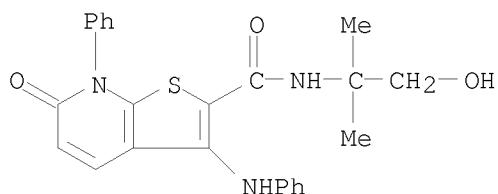
RN 639480-38-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-[2-(1-piperidinyl)ethyl]- (CA INDEX NAME)



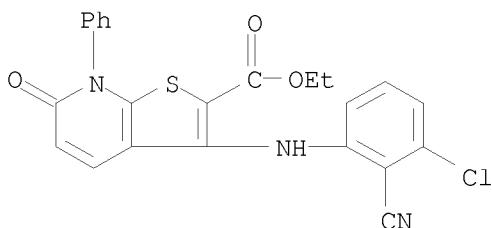
RN 639480-39-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-(2-hydroxy-1,1-dimethylethyl)-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

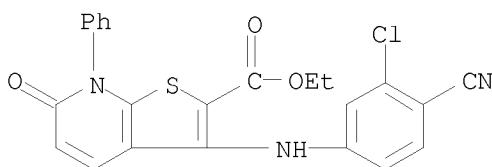


RN 639480-40-3 CAPLUS

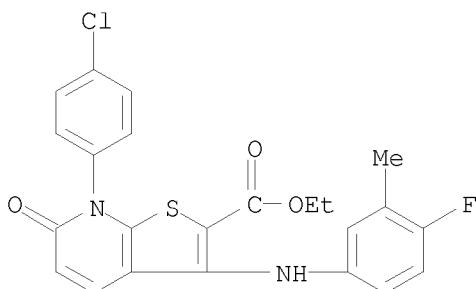
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



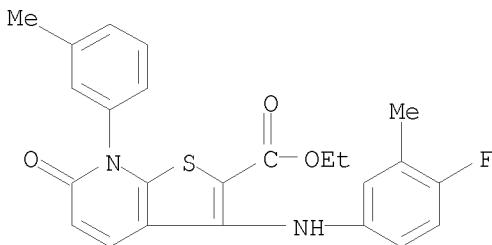
RN 639480-44-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-4-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



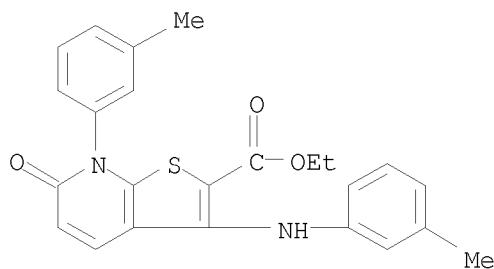
RN 639480-49-2 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



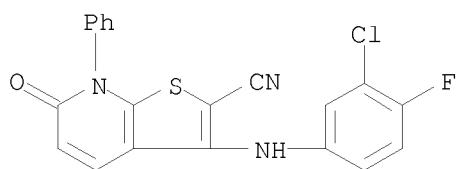
RN 639480-50-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(3-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



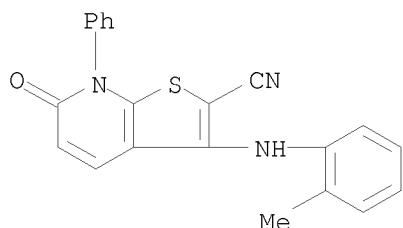
RN 639480-51-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-, ethyl ester (CA INDEX NAME)



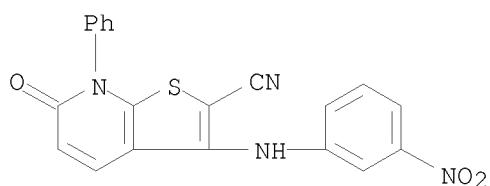
RN 639480-53-8 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



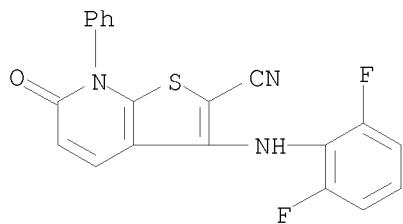
RN 639480-54-9 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile, 6,7-dihydro-3-[(2-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



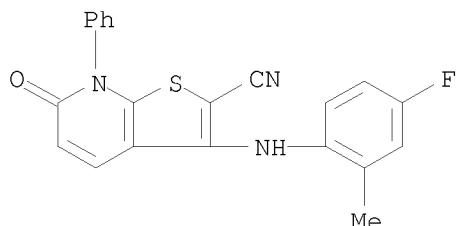
RN 639480-57-2 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile, 6,7-dihydro-3-[(3-nitrophenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



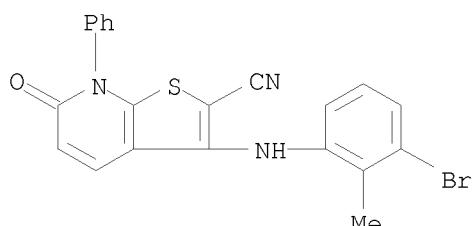
RN 639480-61-8 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-[(2,6-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



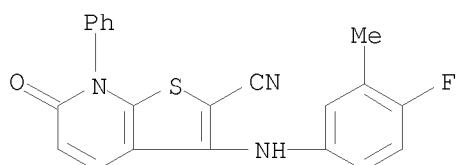
RN 639480-62-9 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-[(4-fluoro-2-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



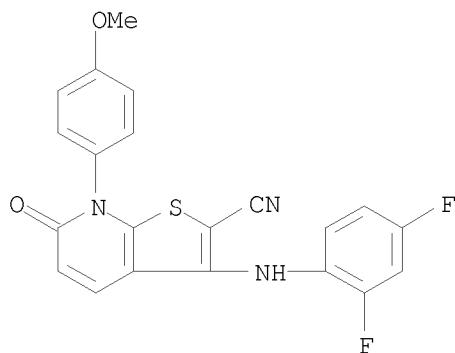
RN 639480-65-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-[(3-bromo-2-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639480-68-5 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



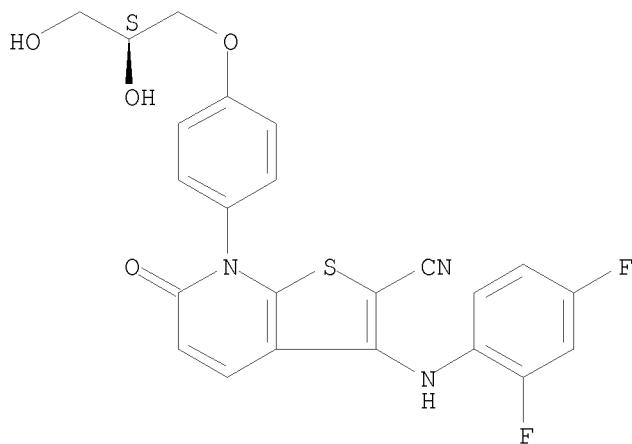
RN 639480-71-0 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(4-methoxyphenyl)-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639480-72-1 CAPLUS

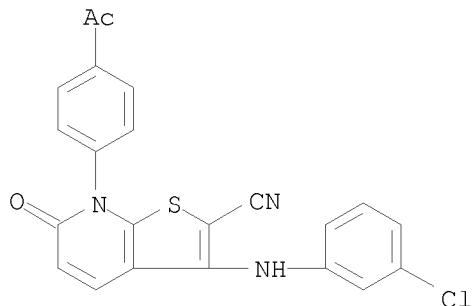
CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-[(2,4-difluorophenyl)amino]-7-[4-[(2S)-2,3-dihydroxypropoxy]phenyl]-6,7-dihydro-6-oxo- (CA INDEX NAME)

Absolute stereochemistry.



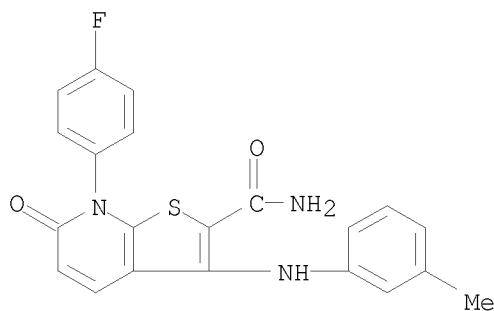
RN 639480-73-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 7-(4-acetylphenyl)-3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



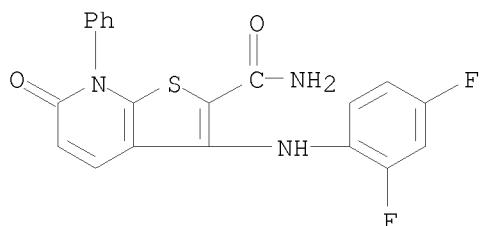
RN 639480-77-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(4-fluorophenyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



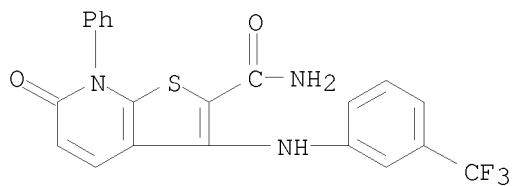
RN 639480-78-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



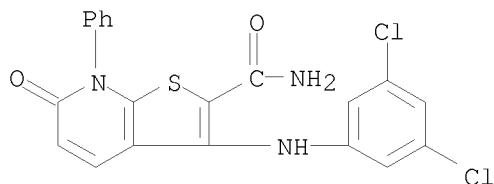
RN 639480-79-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-[3-(trifluoromethyl)phenyl]amino- (CA INDEX NAME)



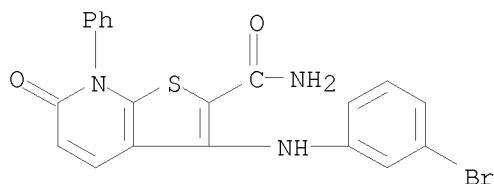
RN 639480-80-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3,5-dichlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)

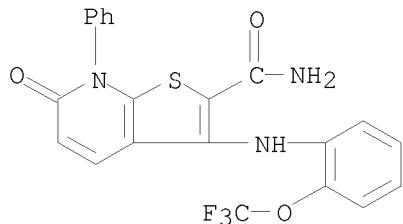


RN 639480-81-2 CAPLUS

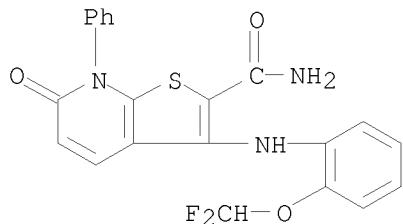
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-bromophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



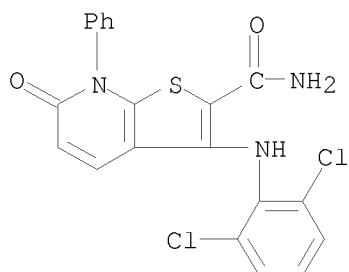
RN 639480-82-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-[2-(trifluoromethoxy)phenyl]amino- (CA INDEX NAME)



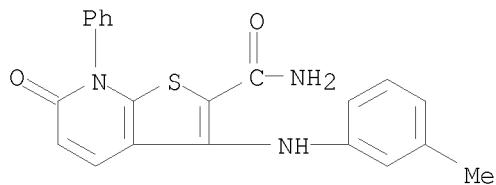
RN 639480-83-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[2-(difluoromethoxy)phenyl]amino-, 6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



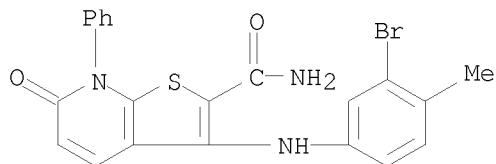
RN 639480-84-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[2-(2,6-dichlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



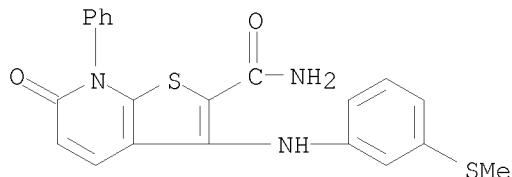
RN 639480-85-6 CAPLUS  
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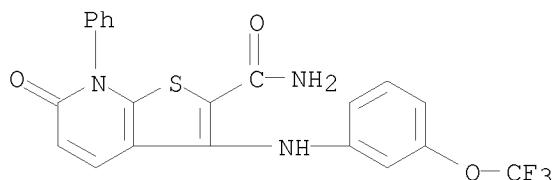
RN 639480-86-7 CAPLUS  
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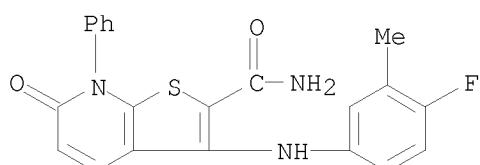
RN 639480-87-8 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[ [3-(methylthio)phenyl]amino]-6-oxo-7-phenyl- (CA INDEX NAME)



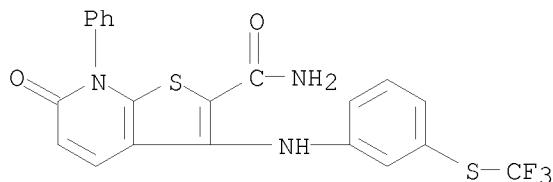
RN 639480-88-9 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-[ [3-(trifluoromethoxy)phenyl]amino]- (CA INDEX NAME)



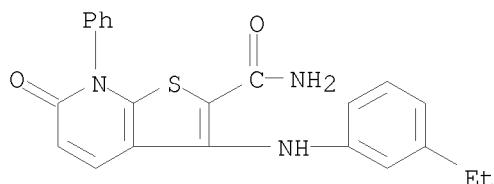
RN 639480-89-0 CAPLUS  
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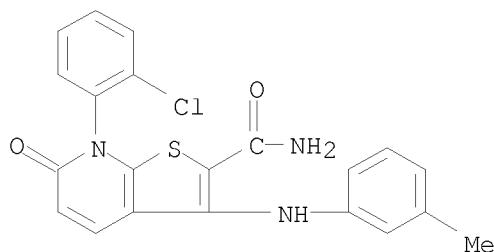
RN 639480-90-3 CAPLUS  
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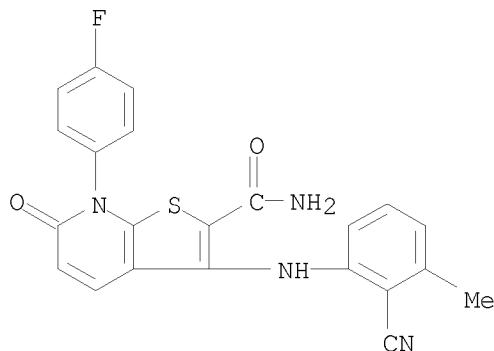
RN 639480-91-4 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-ethylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



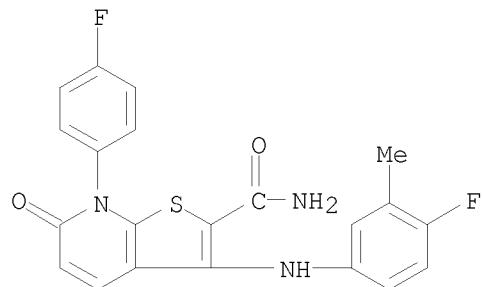
RN 639480-92-5 CAPLUS  
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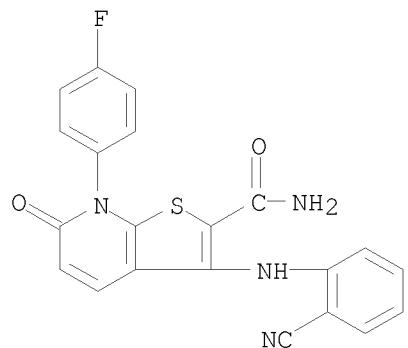
RN 639480-93-6 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyano-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



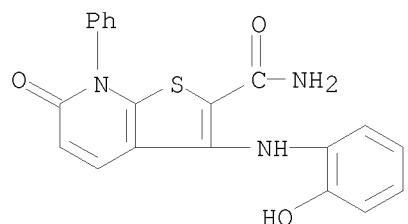
RN 639480-94-7 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



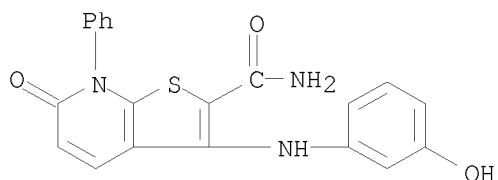
RN 639480-95-8 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyanophenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



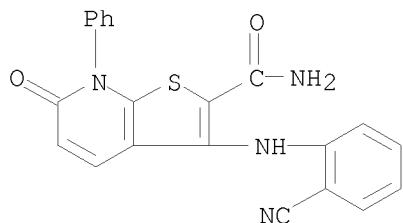
RN 639480-96-9 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[(2-hydroxyphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



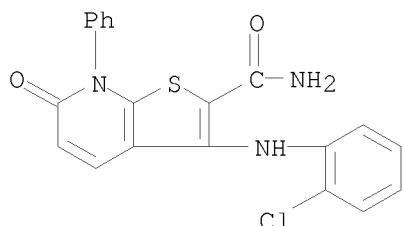
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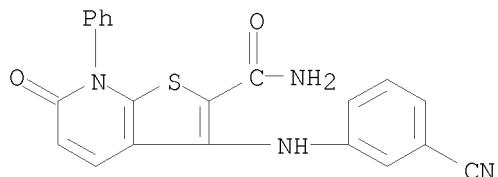
RN 639480-98-1 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



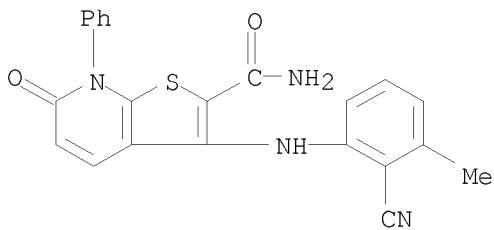
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CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639481-00-8 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)

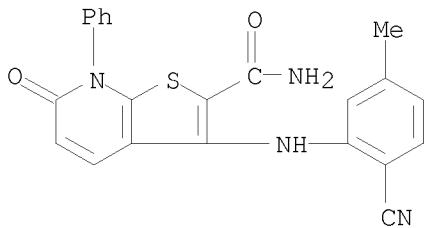


RN 639481-01-9 CAPLUS  
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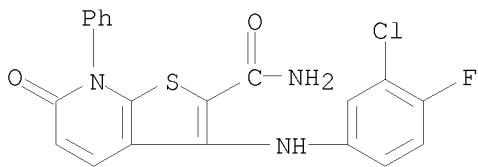
RN 639481-02-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[ (2-cyano-5-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



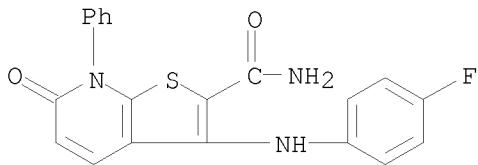
RN 639481-03-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[ (3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



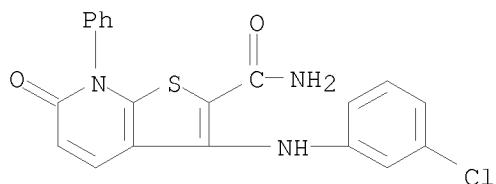
RN 639481-04-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[ (4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)

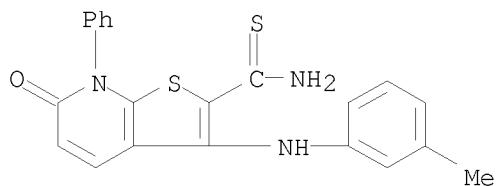


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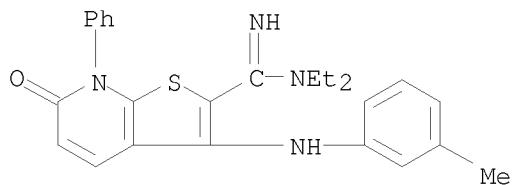
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[ (3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



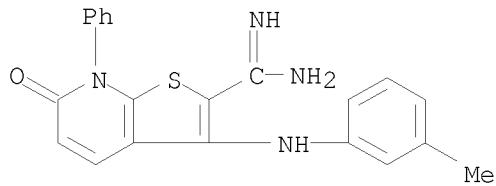
RN 639481-06-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbothioamide, 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



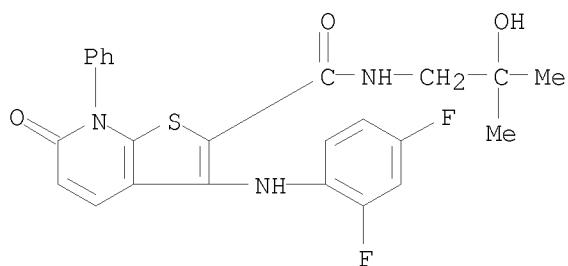
RN 639481-07-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboximidamide, N,N-diethyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



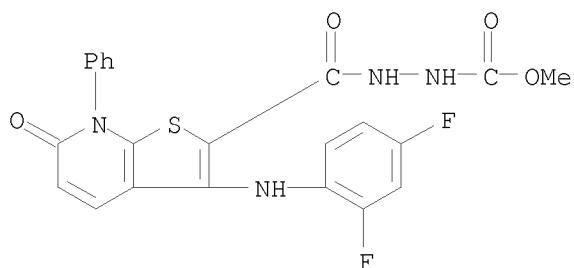
RN 639481-08-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboximidamide, 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



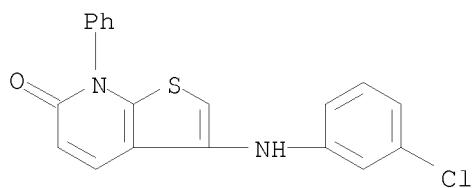
RN 639481-09-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-(2-hydroxy-2-methylpropyl)-6-oxo-7-phenyl- (CA INDEX NAME)



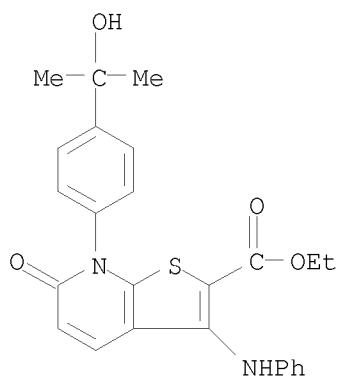
RN 639481-10-0 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2-(methoxycarbonyl)hydrazide (CA INDEX NAME)



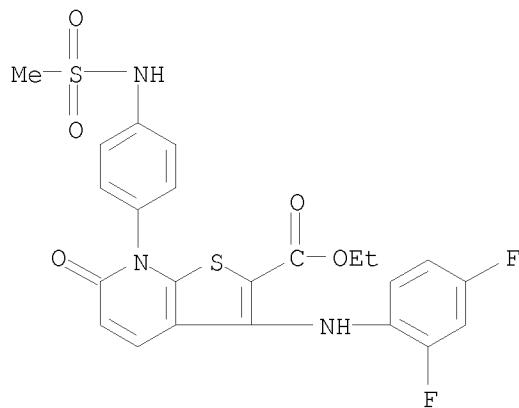
RN 639481-11-1 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-7-phenyl- (CA INDEX NAME)



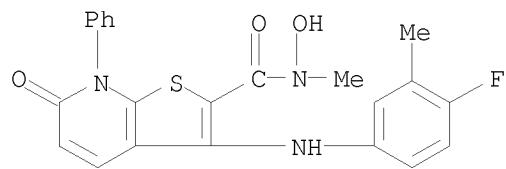
RN 639481-12-2 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-(1-hydroxy-1-methylethyl)phenyl]-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



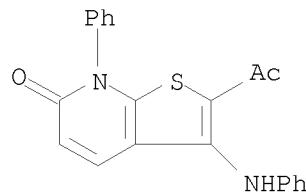
RN 639481-13-3 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-[4-[(methylsulfonyl)amino]phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



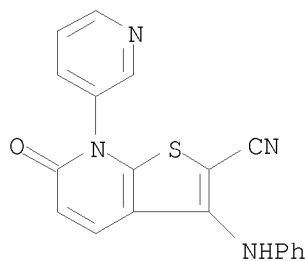
RN 639481-15-5 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-N-hydroxy-N-methyl-6-oxo-7-phenyl- (CA INDEX NAME)



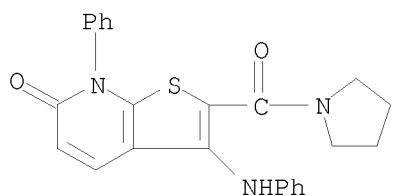
RN 639481-16-6 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-acetyl-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



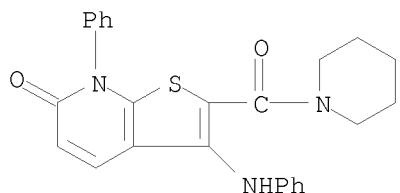
RN 639481-17-7 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-pyridinyl)- (CA INDEX NAME)



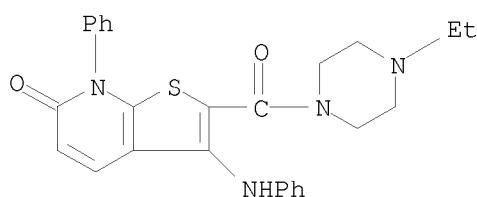
RN 639481-18-8 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



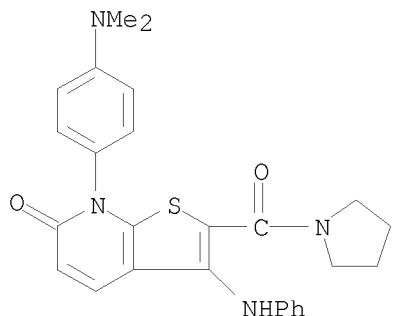
RN 639481-19-9 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(1-piperidinylcarbonyl)- (CA INDEX NAME)



RN 639481-20-2 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-ethyl-1-piperazinyl)carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

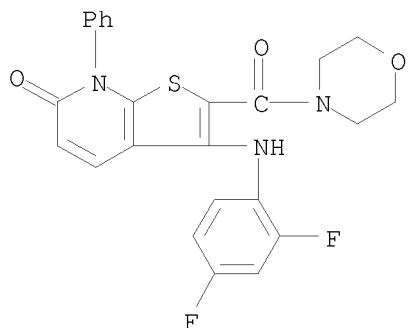


RN 639481-21-3 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-[4-(dimethylamino)phenyl]-3-(phenylamino)-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



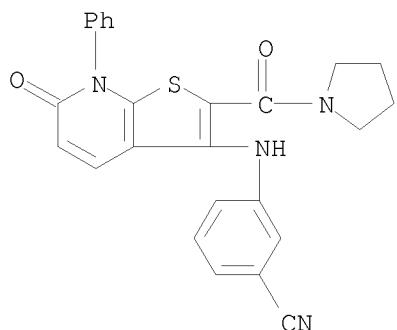
RN 639481-22-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-(4-morpholinylcarbonyl)-7-phenyl- (CA INDEX NAME)



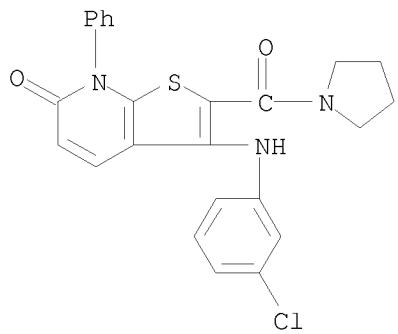
RN 639481-23-5 CAPLUS

CN Benzonitrile, 3-[(6,7-dihydro-6-oxo-7-phenyl-2-(1-pyrrolidinylcarbonyl)thieno[2,3-b]pyridin-3-yl)amino]- (CA INDEX NAME)



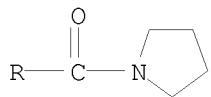
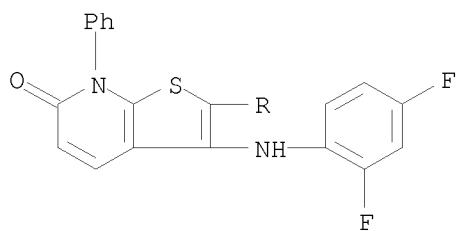
RN 639481-24-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



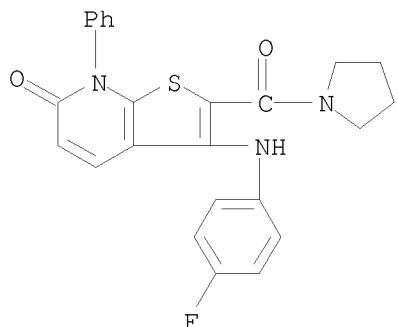
RN 639481-25-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



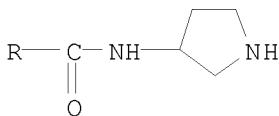
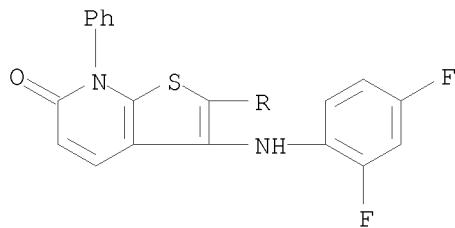
RN 639481-26-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluorophenyl)amino]-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)

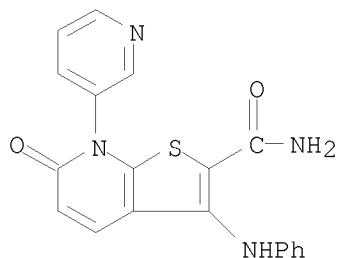


RN 639481-27-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-3-pyrrolidinyl- (CA INDEX NAME)



RN 639504-80-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-pyridinyl)- (CA INDEX NAME)

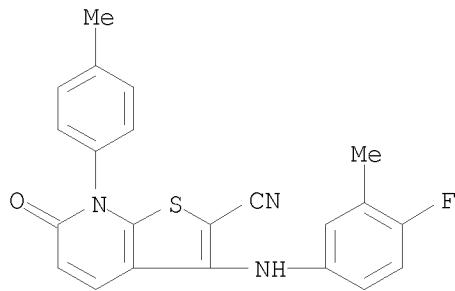


IT 639481-40-6P 639481-46-2P 639481-52-0P  
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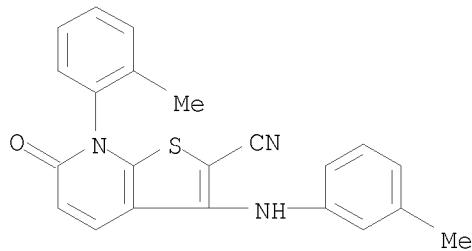
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of arylamine substituted bicyclic hetero-aromatic compds. as

p38 kinase inhibitors)

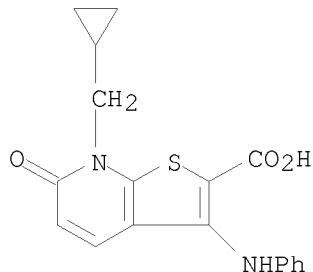
RN 639481-40-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-[ (4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(4-methylphenyl)-6-oxo- (CA INDEX NAME)



RN 639481-46-2 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile, 6,7-dihydro-7-(2-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)

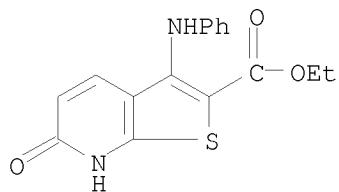


RN 639481-52-0 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ammonium salt (1:1) (CA INDEX NAME)

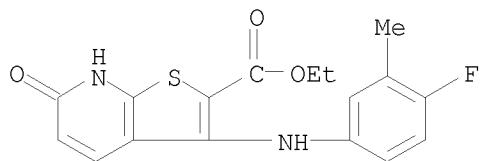


● NH<sub>3</sub>

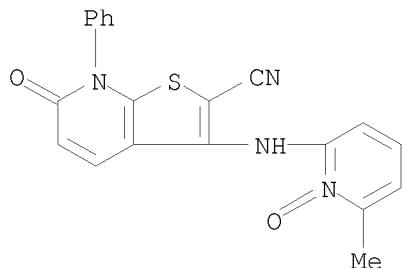
RN 639481-55-3 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



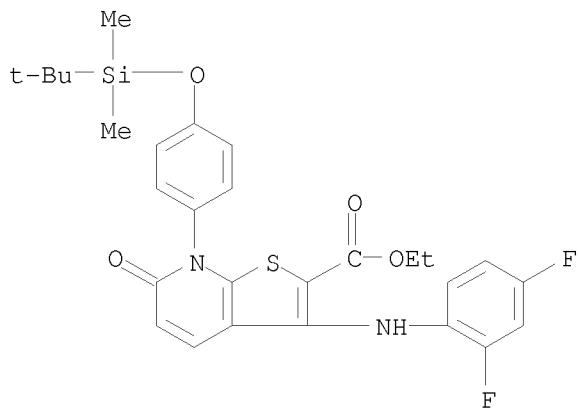
RN 639481-58-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



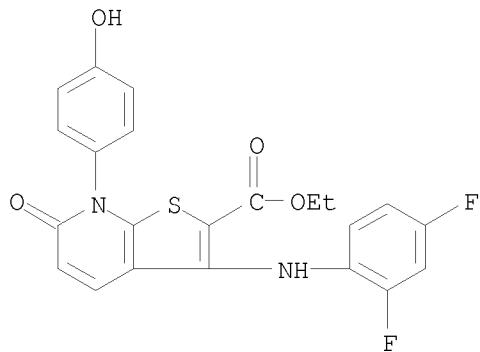
RN 639481-59-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile, 6,7-dihydro-3-[(6-methyl-1-oxido-2-pyridinyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



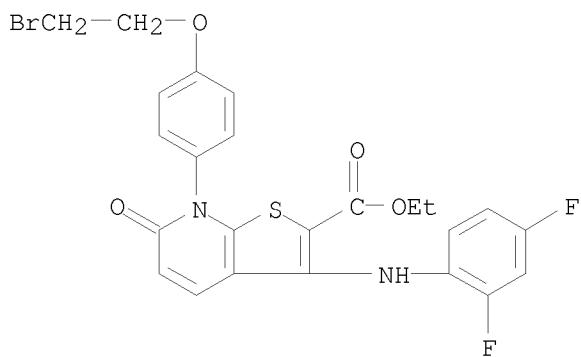
RN 639481-64-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-7-[4-[[1,1-dimethylethyl]dimethylsilyloxy]phenyl]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



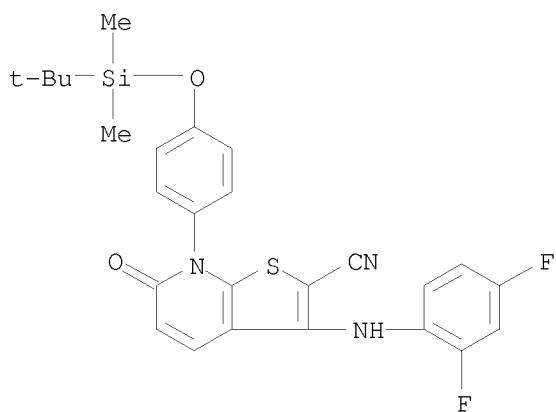
RN 639481-65-5 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(4-hydroxyphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639481-66-6 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(2-bromoethoxy)phenyl]-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)

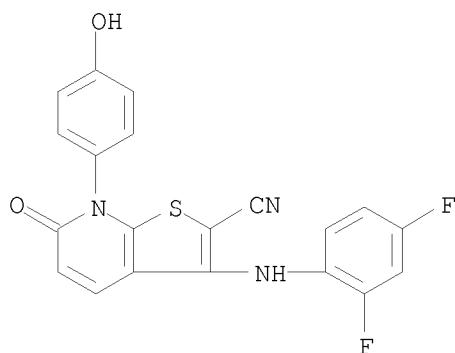


RN 639481-69-9 CAPLUS  
CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-[(2,4-difluorophenyl)amino]-7-[4-[(1,1-dimethylethyl)dimethylsilyl]oxy]phenyl]-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 639481-70-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(4-hydroxyphenyl)-6-oxo- (CA INDEX NAME)

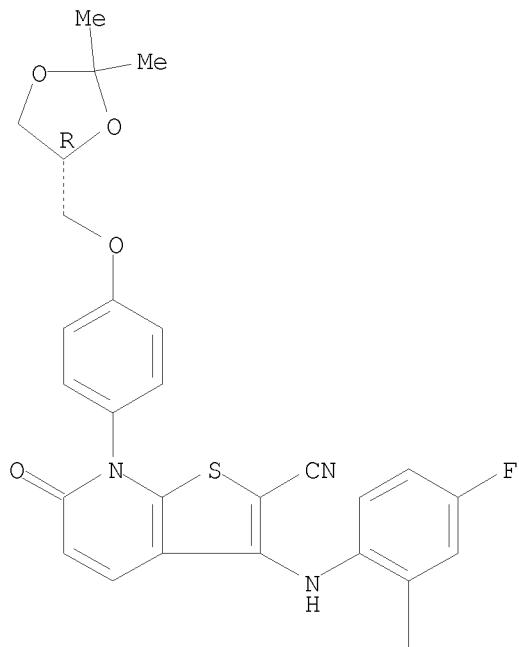


RN 639481-71-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carbonitrile, 3-[(2,4-difluorophenyl)amino]-7-[4-[(4R)-2,2-dimethyl-1,3-dioxolan-4-yl]methoxy]phenyl]-6,7-dihydro-6-oxo- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

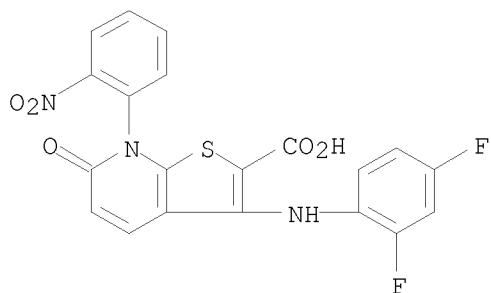


PAGE 2-A



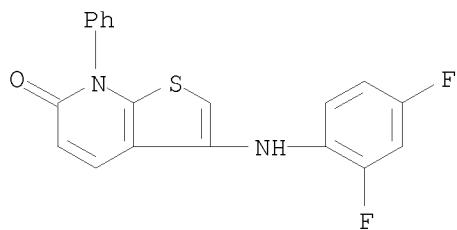
RN 639481-73-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-nitrophenyl)-6-oxo-, sodium salt (1:1) (CA INDEX NAME)

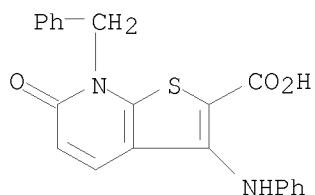


● Na

RN 639481-80-4 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-  
 (CA INDEX NAME)

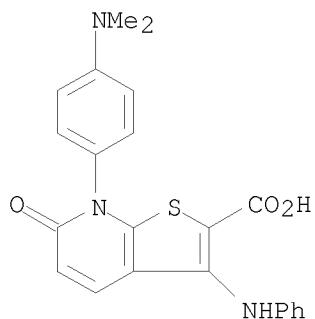


RN 639481-87-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-(phenylamino)-  
 7-(phenylmethyl)-, ammonium salt (1:1) (CA INDEX NAME)



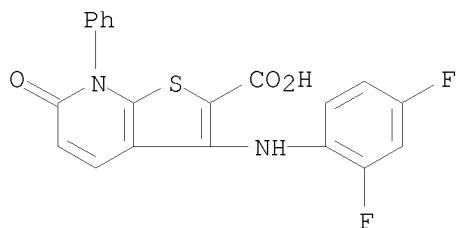
● NH<sub>3</sub>

RN 639481-90-6 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(dimethylamino)phenyl]-6,7-  
 dihydro-6-oxo-3-(phenylamino)-, ammonium salt (1:1) (CA INDEX NAME)



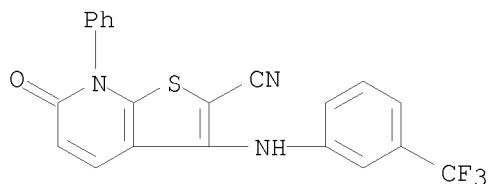
● NH<sub>3</sub>

RN 639481-91-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium salt (1:1) (CA INDEX NAME)

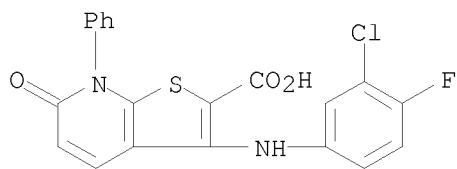


● NH<sub>3</sub>

RN 639481-95-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carbonitrile, 6,7-dihydro-6-oxo-7-phenyl-3-[[3-(trifluoromethyl)phenyl]amino]- (CA INDEX NAME)



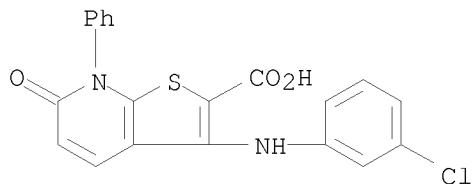
RN 639481-99-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium salt (1:1) (CA INDEX NAME)



● NH<sub>3</sub>

RN 639482-00-1 CAPLUS

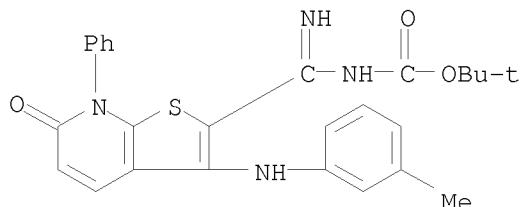
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium salt (1:1) (CA INDEX NAME)



● NH<sub>3</sub>

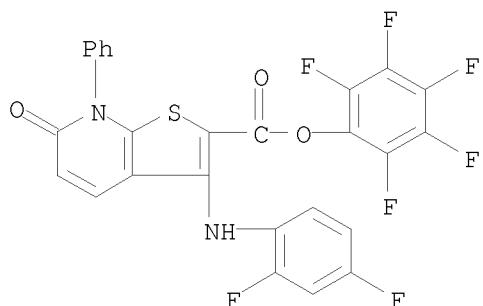
RN 639482-01-2 CAPLUS

CN Carbamic acid, [(6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)iminomethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



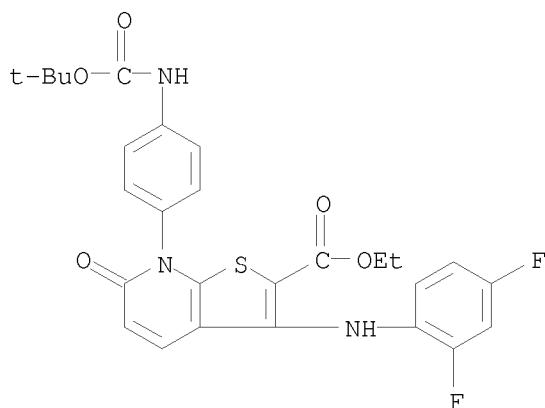
RN 639482-02-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



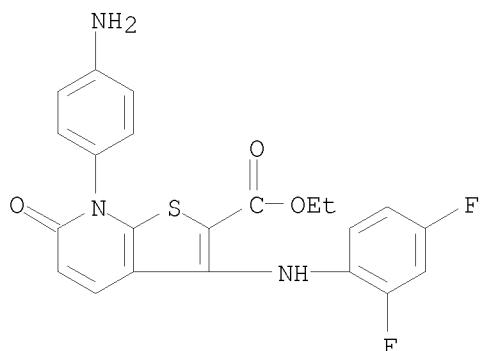
RN 639482-06-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-7-[4-[(1,1-dimethylethoxy)carbonyl]amino]phenyl]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



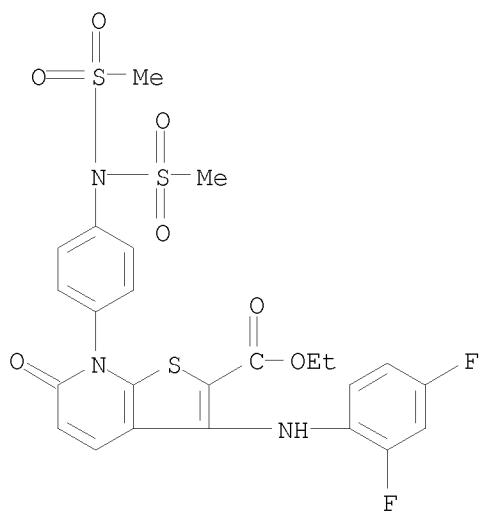
RN 639482-07-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-aminophenyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



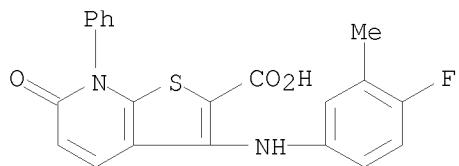
RN 639482-09-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-[bis(methylsulfonyl)amino]phenyl]-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639482-10-3 CAPLUS

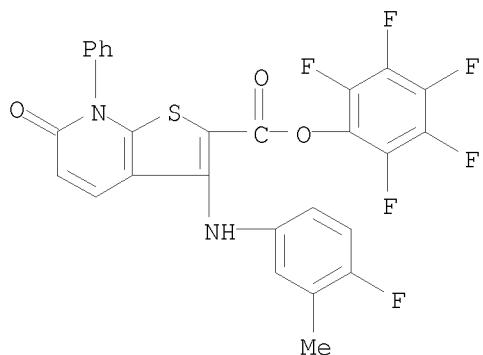
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium salt (1:1) (CA INDEX NAME)



● NH<sub>3</sub>

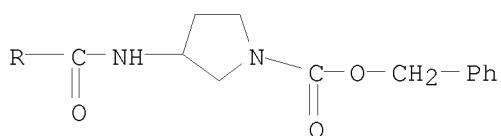
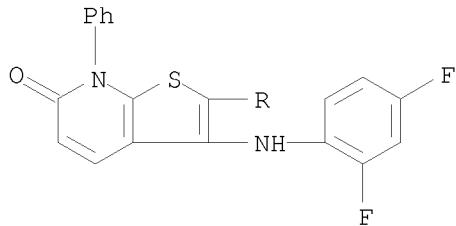
RN 639482-11-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



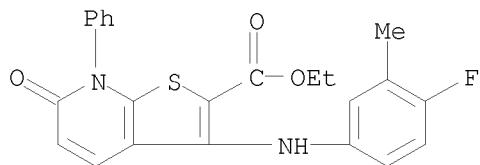
RN 639482-17-0 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, phenylmethyl ester (CA INDEX NAME)



RN 639504-79-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



IT 639482-18-1

RL: RCT (Reactant); RACT (Reactant or reagent)

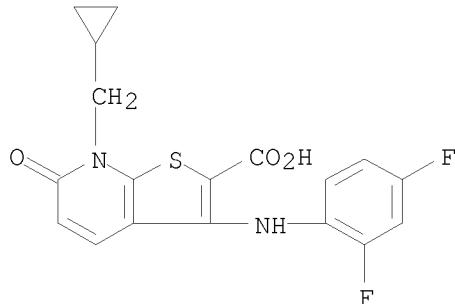
(preparation of arylamine substituted bicyclic hetero-aromatic compds. as

p38

kinase inhibitors)

RN 639482-18-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	39.59	218.16
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
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